LAND APPLICATION SITE DIXIE LEE FARMS SITE LUDLF 1-23 LUNENBURG COUNTY

VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION FORM D. MUNICIPAL FFFLUENT AND BIOSOLIDS

•	ORM D: MUNICIPAL EF	FLUENT AND BIOS	SOLIDS
PART D-VI: LAND API	PLICATION AGREEMENT -	BIOSOLIDS AND IN	DUSTRIAL RESIDUALS
A. This land application agnere as "Landowner", and remains in effect until it is the Landowner in the even	reement is made on 7-1- Recyc Systems, Inc, re	ferred to here as the "Property or, with respect to tell, until ownership of all these parcels for which o	E LEE FARMS, IN referred to ermittee". This agreement those parcels that are retained by Il parcels changes. If ownership of whership has changed will no
the agricultural, silviculture attached as Exhibit A.	al or reciamation sites identified	ocioto in Coord	
Table 1 : Parcels a	uthorized to receive biosolids, v	vater treatment residuals	s or other industrial sludges
Tax Parcel ID	Tax Parcel ID	Tax Parcel ID	Tax Parcel ID
	TM 59(A), P33		
Tm 46(A), P20	TM 59(A) ,834		
TM 58(A), P.54	TM60(A), P41		
TM58(A), P63	TM 46(A), P 25		
TM58(A), P 68	TM 58(A), P 69		
Tm59(4), P27	and Application Sites are identified on	Supplement A (check if applic	able)
In the event that the Land within 38 months of the land 1. Notify the purchaster than the data. Notify the Permit	atest date of biosolids applicated ser or transferee of the applicate of the property transfer; and the of the sale within two weeks	part of the property to whom, the Landowner shall: ble public access and cl s following property transports and the fields identi-	rop management restrictions no sfer.
notify the Permittee imm for application or any par	ediately if conditions change so t of this agreement becomes in	ivalid or the information	
agricultural sites identified inspections on the land in purpose of determining (Class B biosolids M	dentified above, before, ouring compliance with regulatory requiratory requira	or after land application	of permitted residuals for the such application. Other industrial sludges Yes No Half Laure Branch led
Permittee: Recyc Systems, Inc., manner authorized by the	the Permittee, agrees to apply bios	solids and/or industrial residents not to exceed the rate	Mailing Address & Phone Number duals on the Landowner's land in the es identified in the nutrient management 0.1-104.2 of the Code of Virginia.
plan prepared for each land The Permittee agrees to necessitically prior to any page.	d application field by a person cert offy the Landowner or the Landow dicular application to the Landown	ner's designee of the proper's land. Notice shall inclu	osed schedule for land application and ide the source of residuals to be applied
	nt(s) assigning signatory authority t DEQ for review upon request. (Do r	o the nerson signing for lar	adowner above. I will make a copy or in

Permittee - Authorized Representative Printed Name Signature

PO Box 562 Remington, Virginia 22734

Mailing Address

VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION: PART D-VI LAND APPLICATION AGREEMENT

Darwitton	Recyc Systems, Inc	County or City: Lunenburg
Permittee: Landowner:	Dille at an Man i mani	
EarldOwner.		
Landowner	Site Management Requirements:	
application of b	biosolids, the components of biosolids and prop	t that includes information regarding regulations governing the land er handling and land application of biosolids.
I have also bed identified below that I am respo	en expressly advised by the Permittee that the s w must be complied with after biosolids have be onsible for the implementation of these practice	site management requirements and site access restrictions en applied on my property in order to protect public health, and s.
biosolids at the	e site:	at each site under my ownership following the land application of
Notifica biosolid comple	is land application site, unless requested by the	by the Permittee for the purpose of identifying my field as a Permittee, until at least 30 days after land application at that site is
2: Public A	Public access to land with a high potential for	public exposure shall be restricted for at least one year following
b.		public exposure shall be restricted for at least 30 days following any add soil shall be excavated or removed from the site during this
c.		ins are made to prevent public exposure to soil, dusts or aerosols; and shall not be harvested for one year after application of biosolids and with a high potential for public exposure or a lawn, unless
Crop Ra.	Restrictions: Food crops with harvested parts that touch the	e biosolids/soil mixture and are totally above the land surface shall
, b.	not be harvested for 14 months after the app Food crops with harvested parts below the st application of biosolids when the biosolids re	ication of biosolids. Inface of the land shall not be harvested for 20 months after the main on the land surface for a time period of four (4) or more
	months prior to incorporation into the soil. Food crops with harvested parts below the si	urface of the land shall not be harvested for 38 months when the period of less than four (4) months prior to incorporation.
d. e .	Other food crops and fiber crops shall not be Feed crops shall not be harvested for 30 day animals).	harvested for 30 days after the application of biosolids; s after the application of biosolids (60 days if fed to lactating cairy
.4. Livesto	ock Access Restrictions: ollowing biosolids application to pasture or hayl	and sites:
a. b. c.	Meat producing livestock shall not be grazed functions dairy animals shall not be grazed functions.	or a minimum of 60 days.
5. Supple applica develo	emental commercial fertilizer or manure applica ations such that the total crop needs for nutrien oped by a person certified in accordance with §	tions will be coordinated with the biosolids and industrial residuals its are not exceeded as identified in the nutrient management planto.1-104.2 of the Code of Virginia;
6. Tobac vears	The second secon	cadmium, should not be grown on the Landowner's land for three all residuals which bear cadmium equal to or exceeding 0.45
Bru	e de Jarmos Onc	71-13
Lando	owner's Signature	Date
R	Obmownern Vored	Hey Lawrel Branch Rd
Farm	Operator Signature	Mailing Address & Phone Number A enbudge, VA 23944

RECYC SYSTEMS, INC

PART D-VI BIOSOLIDS APPLICATION AGREEMENT	
This biosolids application agreement is made on 3/1:10 here as "landowner", and Recyc Systems. Inc. referred to he	petween DIXIGHE TAITMOTHE, referred to are as the "Permittee".
Landowner is the owner of agricultural tand shown on the many of t	nittee agrees to apply and landowner agrees to comply landowners land in amounts and in a manner authorized d by the Permittee.
Landowner acknowledges that the appropriate application of bid conditioning to the property and consents to the application of bioscipation of property and consents to the application of bioscipation of property advised that, in order to protect public health:	sclids will be beneficial in providing fertilizer and soli- lids on his property. Moreover, landowner acknowledges
Public access to landowner's land upon which biosolids have following any application of biosolids and no biosolids amended so same period of time unless adequate provisions are made to prevent.	ant public exposure to soil, dusts or aerosois;
2. Food crops with harvested parts that touch the biosolids/soil be harvested for 14 months after the application of biosolids. Food shall not be harvested for 20 months after the application of biosoftime period of four (4) or more months prior to incorporation into land surface for a time period of less than four (4) months prior crops shall not be harvested for 30 days after the application of biological prior in the period of less than four (4) months prior crops shall not be harvested for 30 days after the application of biological prior in the period of less than four (4) months prior crops shall not be harvested for 30 days after the application of biological prior in the period of less than four (4) months.	If mixture and are totally above the land surface shall not crops with harvested parts below the surface of the land slids when the biosolids remain on the land surface for a the soil, or 38 months when the biosolids remain on the to incorporation. Other food crops, feed crops and fiber poolids;
 Following biosolids application to pasture or hayland sites chopped foliage for 30 days and lactating dairy animals should be si should be restricted from grazing for 30 days; 	itiliarly labelitied for a remindent of overlay.
4. Supplemental commercial fertilizer or manure applications sithat the total crop needs for numerical are not exceeded as identified certified in accordance with §10.1-104.2 of the Code of Virginia to of application of biosolids to a specific permitted site;	be supplied to the landowner by the permittee at the time
 Tobacco, because it has been shown to accumulate cadmivers following the application of biosofids borne cadmive kilograms/hectare). 	im edual to or excepting order bearioustore fore
harvested turf is placed on either land with a high potential for permitting authority.	
necessary, to complete site inspections related to the scheduled of	o the area of the property permitted for biosolids, whenever iosolids program.
Permittee agrees to notify landowner or landowner designed specifically prior to any particular application to landowner's land, written notice to the address specified below:	ee of the proposed schedule for biosolids application and This agreement may be terminated by either party upon
Landowner Signature:	Mailing Address:
Diffédeedamagne	HOY LAUNCE BYANDA PLA KLYSWASE, YM 23944 Mailing Address:
Farm Operator Signature: Registra	Mailing Address:
Permittee:	Mailing Address:
Recyc Systems, Inc.	P.O. Box 562 Reminaton, Virginia, 22734
	(540) 547-3300

FARM DATA SHEET

Dixie Lee Farms	COUNTY:	Lunenburg
Dixie Lee Farms, Inc.	OPERATOR:	R.R. 'Buck' Gunn
464 Laurel Branch Road	OPERATOR'S	464 Laurel Branch Road
Kenbridge, VA 23944	ADDRESS:	Kenbridge, VA 23944
434-676-8334	OPERATOR'S TELEPHONE:	434-676-8334
Row crop & pasture	CELL PHONE:	
20+	EMAIL:	
None	LATITUDE/ LONGITUDE: 1-22	36 ⁰ 54"45" 78 ⁰ 10'29"
Kenbridge East, Kenbridge West	22-23	36 ⁰ 52"48" 78 ⁰ 05'53"
		4
	Dixie Lee Farms, Inc. 464 Laurel Branch Road Kenbridge, VA 23944 434-676-8334 Row crop & pasture 20+ None	Dixie Lee Farms, Inc. OPERATOR: 464 Laurel Branch Road OPERATOR'S Kenbridge, VA 23944 ADDRESS: OPERATOR'S TELEPHONE: Row crop & pasture CELL PHONE: 20+ EMAIL: None LATITUDE/ LONGITUDE: 1-22

Landowner Coordination Form

This form is used by the Permittee to identify properties (tax parcels) that are authorized to receive biosolids and/or industrial residuals, and each of the legal landowners of those tax parcels. A Land Application Agreement-Biosolids and Industrial Residuals from original signature must be attached for each legal landowner identified below prior to land application at the identified parcels.

Permittee: <u>Recyc Systems, Ir</u>	Site Name: Dixie Lee Farms
County or City: <u>Lunenburg Co.</u>	
lease Print	Signature not required on this page
Tax Parcel ID(s)	Landowners (s)
TM58(A),P 54,63,68 .69	Dixie Lee Farms, Inc.
TM59(A),P27,33,34	Dixie Lee Farms, Inc.
TM60(A),P41	Dixie Lee Farms, Inc.
TM 46 (A).P 20,25	Dixie Lee Farms Inc.
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RECYC SYSTEMS, INC FIELD DATA SHEET

Field	Gross	Enviro	nmentally Se	nsitive Soil	 S		Tax	FSA
Identification	Acres	Water Table	Bed Rock/Shallow	Surf/Leach	Freq Flood	Hydro Map	Map#	Tract#
LUDLF; 1	144.5	10B(Jan-Apr) 10C2(Jan-Apr) 12B(Dec-Apr) 12C2(Dec-Apr)	-	-	-	CM09	TM58A,P68 58A.P69	T16606A Field 14
LUDLF 2	675	10B(Jan-Apr) 10C2(Jan-Apr)	-		-	СМ09	TM58A,P68	T16606A Field 15
LUDLF 3	66.6	10B2(Jan-Apr) 10C2(Jan-Apr)		-	-	CM09	TM46A,P20 TM 58 A.P 68	T16606A Fields 11,16
LUDLF 4	32.4	10B2(Jan-Apr) 10C2(Jan-Apr)	-	-	-	СМ09	TM58A,P68	T16606A Field 17
LUDLF 5	282	-	-	-	-	CM10	TM46A,P20	T16606A Fields 1,2,3
LUDILF 6	6.3	-	-	-	<u>-</u>	CM10	TM-6A,P20	T16606A Fields 4,5,6
LUDLF 7	34.6	-	-	-		CM10	TM46A,P20	T16606A Fields 7,8,9,10
LUDILF 8	7.1	-	-	-	• •	CM10	TM58A,P68	T16606A Field 12
LUDILF 9	19.8	10B(Jan-Apr)	-	-	-	CM10	TM58A,P54,68	T16606A Fields 13,21
LUDILF 110	9.7	-	-	-	<u>.</u>	CM10	TM58A,P54	T16606A Fields 18,20,21
LUDILF111	18.5	-	-	-	-	CM10	TM58A,P54	T16606B Fields 19,22
LUDILF 12	19.3	-	-	-	-	CM10	TM58A,P63	T16606B Fields 23,24

LUDLF113	13 .9		-	-	-	CM10	TM58A,P63	T16606B Fiellts 25,26
LUDLF114	8.1	-	-		•	CM10	TM58A,P63	T16606B Field 27
LUDLF115	27.5	-	-	-	-	CM10	TM58A,P63	T16606B Fields 28,29,30,32
LUDLF116	22.7	-	• ,	-	-	CM10	TM58A,P63	T16606B Fields 229,331
LUDLF117	11.7	-	<u>-</u>	-	-	CM10	TM58A,P63	T16606B Fielbl 333
LUDLF118	48.1	-	<u>.</u>	•	-	CM10	TM59A,P27	T16609 Fields 1,2,3,4,5,7
LUDLF119	14.2	-	-	-	-	CM10	TM59A,P33	T16607 Field 4
LUDLF 20	29.8	-	-	-	-	CM10	TM59A,P33	T166007 Field 3
LUDLF 21	14.1	-	-	-	-	CM10	TM59A,P33,34	T16607 Fields 1,2
LUDLF 22	49.9	-	-	-	~	CM10	TM60A,P41	T16610 Field 3
LUDLF 23	9.0	•	-		-	CM10	TM60A,P41	T16610 Field 2
TOTAL ACRES IN SITE	703.5							

Page 1 of 14

Report Number: 13-150-0502

Account Number: 70594



A&L Eastern Laboratories

7621 Whitepine Road Richmond, Virginia 23237 (804) 743-9401 Fax (804) 271-6446

Send To: RECYC SYSTEMS INC

SUSAN TRUMBO 8455 WHITESHOP RD **CULPEPER VA 22701**

Grower:

Submitted By: CHARLES CARLO

Farm ID:

DIXIE LEE FARM/LUDLF **LUNENBURG CO**

SOIL ANALYSIS REPORT

Analytical Method(s):

Mehlich 3

Camala ID		0	rganic	Matter		Pho	sphorus		Pota	ssium	Magn	eslum	Ca	lcium	Sodium		рН	Acidity	C.E.C
Sample ID Field ID	Lab Number	%	Rate	e Ibs	NIR S/A p	Mehlich 3 pm Rat Rat		erve Rate	ppm	K Rate	ppm	g Rate	ppm	Ca Rate	Na ppm Rate	Soil pH	Buffer Index	H meq/100g	meq/100g
1A	08164	2.6	M	9)5 10	0 V	L		35	V L	137	н	603	M		5.9	6.84	0.9	5.1
1B	08165	2.6	М	9	14 7	V	L		40	VL	162	Н	721	М		6.2	6.86	0.7	5.8
1C	08166	3.1	М	10	04 2	2	L		52	VL	139	Н	634	М		5.8	6.83	1.0	5.5
1D	08167	3.2	М	10	06	2 V	L		60	L	162	Н	666	М		6.1	6.85	0.8 ,	5.6
1E	08168	3.2	М	10	05 7	V	L		81	L	196	Н	718	М		5.9	6.82	1.1	6.6
Sample ID	Р	ercent l	Base S	aturatio	on	Nitrate	Sul	fur	Zinc	Mai	nganese	Ire	on	Сорре	r Boron	Solub	e Saits	Chloride	Aluminum
p ib	نقاضا	1	രം	N/a		NO N	. I e	. 1	7-		44-		1	· · · · ·			ا م		Al

									_															<u> </u>
C1- ID		Perce	nt Base	Saturati	on	Nite	rate	Su	lfur	Zi	nc	Mang	апеѕе	Ir	on	Сор	per	Во	гоп	Soluble	Salts	Chl	oride	Aluminum
Sample ID Field ID	K %	Mg %	Ca %	Na %	H %	ppm		ppm	S Rate	ppm	n Rate	ppm	In Rate	F ppm	Fe Rate	ppm C		ppm	B Rate	S: :ms/cm		1	CI Rate	Al ppm
1A	1.8	22.4	59.1		17.2																			
1B	1.88	23.3	62.2		12.0																•			
1C	2.4	21.11	57.6		19.1								<u>,</u>											
1D	2.7	24.1	59.5		13.7														-					
1E	3.1	24.7	54.4		17.0												,						-	

Values on this report represent the plant available nutrients in the soil. Rating after each value: VL (Very Low), L (Low), M (Medium), H (High), VH (Very High). ENR - Estimated Nitrogen Release. C.E.C: - Cation Exchange Capacity.

Explanation of symbols: % (percent), ppm (parts per million), lbs/A (pounds per acre), ms/cm (milli-mhos per centimeter), maq/100g (milli-equivalent per 100 grams). Conversions: ppm x 2 = lbs/A, Soluble Salts ms/cm x 640 = ppm.

This report applies to sample(s) tested. Samples are retained a maximum of thirty days after testing.

Analysis prepared by: A&L Eastern Laboratories, Inc.

Page 2 of 14

Report Number: 13-150-0502 Account Number: 70594



A&L Eastern Laboratories
7621 Whitepine Road Richmond, Virginia 23237 (804) 743-8401 Fax (804) 271-6446

DIXIE LEE FARM/LUDLF

LUNENBURG CO

Send To: RECYC SYSTEMS INC

SUSAN TRUMBO 8455 WHITESHOP RD CULPEPER VA 22701 Grower:

Submitted By: CHARLES CARLO

Farm ID:

Date Received: 05/30/2013

Date Of Report: 06/03/2013

SOIL FERTILITY RECOMMENDATIONS

Sample ID Field ID	Intended Crop	Yield Goal	Lime Tons/A	Nitrogen N Ib/A	Phosphate P ₂ O ₅ Ib/A	Potash K ₂ O Ib/A	Magnesium Mg Ib/A	Sulfur S Ib/A	Zinc Zn lb/A	Manganese Mn Ib/A	fron Fe Ib/A	Copper Cu Ib/A	Boron B Ib/A
1A	Adjust pH to 6.8	0	1.5			· -· -	0						
1B	Adjust pH to 6.8	0	1.3		·		0		· · · ·				
1C	Adjust pH to 6.8	0	1.5			· · · · · ·	0						
1D	Adjust pH to 6.8	0	1.3				0				_		
1E	Adjust pH to 6.8	0	1.5				0						

Comments:

"The recommendations are based on research data and experience, but NO GUARANTEE or WARRANTY expressed or implied, concerning crop performance is made."

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Paurie Mc George

Page 3 of 14

Report Number: 13-150-0502 Account Number: 70594



A&L Eastern Laboratories

7621 Whitepine Road Richmond, Virginia 23237 (804) 743-8401 Fax (804) 271-6446

Send To: RECYC SYSTEMS INC

SUSAN TRUMBO 8455 WHITESHOP RD CULPEPER VA 22701 Grower:

DIXIE LEE FARM/LUDLF LUNENBURG CO Submitted By: CHARLES CARLO

Farm ID:

SOIL ANALYSIS REPORT

Analytical Method(s):

Mehlich 3

Date Received: 05/30/2013

Date Of Analysis: 05/31/2013

Date Of Report: 06/03/2013

		Or	ganic Ma	atter	٠ .	Phos	phorus		Pota	ssium	Mag	nesium	Cal	cium	Sodium	F	Н	Acidity	C.E.C.
Sample ID Field ID	Lab Number	%	Rate	ENR Ibs/A	MeH ppm Ra	itioth 38 at Rate		serve Rate	ppm	K Rate	ppm	Mg Rate	ppm	Ca Rate	Na ppm Rate	Soil pH	Buffer Index	H meq/100g	meq/100g
1F	08169	2.7	. М	96	5	VL			34	VL	175	Н	729	M		6.2	6.86	0.7	5.9
2A	08170	2.1	Ŀ	85	37	М			45	L	93	н	630	М		5.9	6.85	0.8	4.9
2B	08171	2.0	L	84	10	VL			71	М	107	н	559	М		6.2	6.88	0.5	4.4
3A	08172	2.4	L	92.	67	Н			65	L	91	Н	397	L		5.4	6.82	1,1	4.1
38	08173	2.3	L	89	15	L			33	VL	128	Н	643	М		6.1	6.86	0.7	5.1

		Perce	nt Base	Saturati	OD.	Nitra	ata	9	lfur	71	nc	Mana	anese	le.	on	Сор	200	Bo	ron	Solubl	o Salbe	Chlo	ride	Aluminum
Sample ID Field ID	К %	Mg %	Ca %	Na %	. н %	NO,	,N		 S		in .	N	ln .		e		u .		В	Soluti S ms/cm	 S	.0		Al
1F	1.5	24.7	61.8		12.1												, , • •							·
2A	2.4	15.8	64.3		171							<u> </u>									_		,	
2B	4.1	20.3	63.5		12.1		-												· · -		-			
3A	4.1	18.5	48.4		28.0				_		···							<u> </u>		<u> </u>	•			· ·
3B	1.7	20.9	63.0		13.6														-					

Values on this report represent the plant available nutrients in the soil. Rating after each value: VL (Very Low), L (Low), M (Medium), H (High), VH (Very High), ENR - Estimated Nitrogen Release. C.E.C. - Cation Exchange Capacity.

Explanation of symbols: % (percent), ppm (parts per million), lbs/A (pounds per acre), ms/cm (milli-mhos per centimeter), meq/100g (milli-equivalent per 100 grams). Conversions: ppm x 2 = lbs/A, Soluble Salts ms/cm x 640 = ppm.

This report applies to sample(s) tested. Samples are retained a maximum of thirty days after testing.

Analysis prepared by: A&L Eastern Laboratories, Inc.

by: Powrie Mª George

Page 4 of 14

Report Number: 13-150-0502 Account Number: 70594 PIL.

A&L Eastern Laboratories
7621 Whitepine Road Richmond, Virginia 23237 (804) 743-3401 Fax (804) 271-6446

DIXIE LEE FARM/LUDLF

LUNENBURG CO

Send To: RECYC SYSTEMS INC

SUSAN TRUMBO 8455 WHITESHOP RD CULPEPER VA 22701 Grower:

Submitted By: CHARLES CARLO

Farm ID:

Date Received: 05/8022013

Date Of Report: 016/03/2/2013 SOI

SOILFERTILITYRECOMMENDATIONS

Sample ID Field ID	Intended Crop	Yield Goal	Lime Tons/A	Nitrogen N Ib/A	Phosphate P ₂ O ₅ Ib/A	Potash K ₂ O Ib/A	Magnesium Mg Ib/A	Sulfur S Ib/A	Zinc Zn lb/A	-Manganese Mn Ib/A	Iron Fe Ib/A	Copper Cu Ib/A	Boron B Ib/A
1F	Adjust pH to 6.8	0	1.3			•	0						
2A	Adjust pH to 6.8	0	1.5	"			0						
28	Adjust pH to 6.8	0	1.3				0						
3A	Adjust pH to 6.8	0	1.8				0	·			=		
38	Adjust pH to 6.8	0	1.3				0						

Comments:

"The recommendations are based on research data and experience, but NO GUARANTEE or WARRANTY expressed or implied, concerning crop performance is made."

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Pauric Mc George

Page 5 of 14

Report Number: 13-150-0502 Account Number: 70594 PLA WWW.aleastern.com

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DIXIE LEE FARM/LUDLF

LUNENBURG CO

7621 Whitepine Road Richmond, Virginia 23237 (804) 743-9401 Fax (804) 271-6446

Send To: RECYC SYSTEMS INC

SUSAN TRUMBO 8455 WHITESHOP RD CULPEPER VA 22701 Grower:

Submitted By: CHARLES CARLO

Farm ID:

SOIL ANALYSIS REPORT

Analytical Method(s):

Mehlich 3

Date Received: 05/30/2013

Date Of Analysis: 05/31/2013

Date Of Report: 06/03/2013

		Or	ganic Ma	atter		Phos	phorus		Pota	ssium	Mag	nesium	Ca	lcium	Soc	lium	, F	Н	Acidity	C.E.C
Sample ID Field ID	Lab Number	%	Rate	ENR Ibs/A		thilich 3 Rat Rate	Re: ppm	serve Rate	ppm:	K Rate	ppm	Mg Rate	l	Ca Rate	ppm	la Rate	Soil pH	Buffer Index	H meq/100g	meq/100g
4A	08174	3.1	М	103	79	Н			139	Н	132	Н	562	L			5.3	6.74	1.9	6.2
4B	08175	3.2	М	105	64	Н			140	Н	136	н	564	Ł			5.3	6.74	1.9	6.3
5	08176	1,8	L	81	1004	н			45	L	80	Н	463	М			6.2	6.89	0.4	3.5
6	08177	1.5	L	75	156	VH			45	L	68	Н	391	М			5.9	6.88	0.5	3.2
7A	08178	1.4	L	74	151	VH			34	VL	68	Н	378	М			5.9	6.88	0.5	3.1

	+					T									•							- 		
Samela ID		Perce	nt Base	Saturati	on	Nitr	ate	Su	lfur	Zi	nc	Mang	anese	l Ir	on ·	Сор	per	Во	ron	Soluble	e Salts	Chie	oride	Aluminum
Sample ID Field ID	к %	Mg %	Ca %	Na %	н %	NO ppm	3	ppm :	S Rate	ppm Z	n Rate	ppm mqq	In Rate	ppm F	e Rate	Cı pp <u>i</u> m		ppm	3 Rate	S: ms/cm			Rate	Al ppm
4A	5.7	17.7	45.3		31.0				•		•		·											
4B	5.7	18.0	44.8		30.8						 =		 		<u> </u>									
5	3.3	19.0	66.1		122							3					,							
6	3.6	17.7	61.1		17.1																			
7A	2.8	18.3	61.00		17.0																			

Values on this report represent the plant available nutrients in the soil. Rating after each value: VL (Very Low), L (Low), M (Medium), H (High), VH (Very High), ENR - Estimated Nitrogen Release. C.E.C. - Cation Exchange Capacity.

Explanation of symbols: % (percent), ppm (parts per million), lbs/A (pounds per acre), ms/cm (milli-mhos per centimeter), meq/100g (milli-equivalent per 100 grams). Conversions: ppm x 2 = lbs/A, Soluble Salts ms/cm x 640 = ppm.

This report applies to sample(s) tested. Samples are retained a maximum of thirty days after testing.

Analysis prepared by: A&L Eastern Laboratories, Inc.

by: Pauric Mc George

Page 6 of 14

Report Number: 13-150-0502 Account Number: 70594 PA L

A&L Eastern Laboratories
7621 Whitepine Road Richmond, Virginia 23237 (804) 743-9401 Fax (804) 271-6446

Send To: RECYC SYSTEMS INC

SUSAN TRUMBO 8455 WHITESHOP RD CULPEPER VA 22701 Grower:

Submitted By: CHARLES CARLO

Farm ID:

DIXIE LEE FARM/LUDLF

LUNENBURG CO

Date Received: 05/30/2013

Date Of Report: 06/03/2013

SOIL FERTILITY RECOMMENDATIONS

Sample ID Field ID	Intended Crop	Yield Goal	Lime Tons/A	Nitrogen N Ib/A	Phosphate P ₂ O ₅ Ib/A	Potash K ₂ O Ib/A	Magnesium Mg Ib/A	Sulfur S Ib/A	Zinc Zn lb/A	Manganese Mn Ib/A	Iron Fe Ib/A	Copper Cu lb/A	Boron B Ib/A
4A	Adjust pH to 6.8	0	2.3				0		12//				
48	Adjust pH to 6.8	0	2.3				0						
5	Adjust pH to 6.8	0	1.3				0						
6	Adjust pH to 6.8	0	1.5				112						
7A	Adjust pH to 6.8	0	1.5				. 12						

Comments:

Sample(s): 6,7A Crop: Adjust pH to 6.8

If dolomitic lime is not used, apply required magnesium with magnesium oxide, Epsom Salts, K-Mag or Sul-PO-Mag,

"The recommendations are based on research data and experience, but NO GUARANTEE or WARRANTY expressed or implied, concerning crop performance is made."

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10-

Page 7 of 14

Report Number: 13-150-0502 Account Number: 70594



A&L Eastern Laboratories

7621 Whitepine Road Richmond, Virginia 23237 (804) 743-9401 Fax (804) 271-6446

Send To: RECYC SYSTEMS INC

SUSAN TRUMBO 8455 WHITESHOP RD **CULPEPER VA 22701**

Grower:

Submitted By: CHARLES CARLO

Farm ID:

DIXIE LEE FARM/LUDLF

LUNENBURG CO

SOIL ANALYSIS REPORT

Analytical Method(s):

Mehlich 3

Date Received: 05/30/2013

Date Of Analysis: 05/31/2013

Date Of Report: 06/03/2013

		Or	ganic M	atter		Phos	phorus		Pota	ssium	Mag	nesium	Ca	lcium	Sodium		H	Acidity	C.E.C
Sample ID Field ID	Lab Number	%	Rate	ENR Ibs/A	Mehi ppm Ra		Res ppm	erve Rate	l	K Rate	ppm	Mg Rate	ppm	Ca Rate	Na ppm Rate	Soil pH	Buffer Index	H meq/1 00 g	meq/ <u>1</u> 00g
7B	08179	1.3	L	71	136	VH			38	V L	71	Н	438	М		6:2	6.89	0.4	3.3
8	08160	1.8	L	82	191	VH			62	L	58	Н	328	М		5.5	6.85	0.8	3.1
9	08181	1.5	L	76	166	VH			52	L	6 6	Н	355	М		5.7	6.86	0.7	3.1
10	08182	1.4	L	75	126	VH			56	L	42	Н	264	М		5.7	6.88	0.5	2.3
11	08183	1.5	L	76	1666	VH			65	Ĺ	54	Н	301	М		5.5	6.86	0.7	2.9

		Perce	nt Base	Saturati	on	Nitr	ate	Sı	lfur	Zi	nc	Mang	anese	- In	on	Сор	per	Во	ron	Soluble	Salts	Chic	oride	Aluminum
Sample ID Field ID	K %	Mg %	Ca %	Na %	H %	NO ppm	N Rate		S Rate	ppm Z	n Rate	ppm			e Rate	Ppm C		ppm	B Rate	SS ms/cm			I Rate	Al ppm
78	3.0	17.9	66.4		12.0								•						,					
8	5.1	15.6	52:9		25.5				·															
9	4.3	17.7	57.3		21.2						,													
10	6.2	15.2	57.4		21.1																			
11	5.7	15.5	51.9		25.4					:						-			-					

Values on this report represent the plant available nutrients in the soil. Rating after each value: VL (Very Low), L (Low), M (Medium), H (High), VH (Very High). ENR - Estimated Nitrogen Release. C.E.C. - Cation Exchange Capacity.

Explanation of symbols: % (percent), ppm (parts per million), lbs/A (pounds per acre), ms/cm (milli-mhos per centimeter), meq/100g (milli-equivalent per 100 grams). Conversions: ppm x 2 = lbs/A, Soluble Salts ms/cm x 640 = ppm.

This report applies to sample(s) tested. Samples are retained a maximum of thirty days after testing.

Analysis prepared by: A&L Eastern Laboratories, Inc.

by: Pauric Me George

Page 8 of 14

Report Number: 13-150-0502 Account Number: 70594



A&L Eastern Laboratories
7621 Whitepine Road Richmond, Virginia 23237 (804) 743-8401 Fax (804) 271-6446

Send To: RECYC SYSTEMS INC

SUSAN TRUMBO 8455 WHITESHOP RD CULPEPER VA 22701 Grower:

Submitted By: CHARLES CARLO

Farm ID:

DIXIE LEE FARM/LUDLF - LUNENBURG CO

Date Received: 05/30/2013

Date Of Report: 06/03/2013

SOIL FERTILITY RECOMMENDATIONS

Sample ID Field ID	Intended Crop	Yield Goal	Lime Tons/A	Nitrogen N Ib/A	Phosphate P ₂ O ₅ Ib/A	Potash K ₂ O lb/A	Magnesium Mg Ib/A	Sulfwr S Ib/A	Zinc Zn Ib/A	Manganese Mn lb/A	Iron Fe Ib/A	Copper Cu lb/A	Boron B ib/A
78	Adjust pH to 6.8	0	1.3				9	· ·					
8	Adjust pH to 6.8	0	1.8			-	22						
9	Adjust pH to 6.8	0	1.5				14						,
10	Adjust pH to 6.8	0	1.5				38				· · · · · · · · · · · · · · · · · · ·		
11	Adjust pH to 6.8	0	1.8				26						

Comments:

Sample(s): 8,9,10,11 Crop: Adjust pH to 6.8

If dolomitic lime is not used, apply required magnesium with magnesium oxide, Epsom Salts, K-Mag or Sul-PO-Mag.

"The recommendations are based on research data and experience, but NO GUARANTEE or WARRANTY expressed or implied, concerning crop performance is made."

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Paurie Mc George

Page 9 of 14

Sample ID

Field ID

Report Number: 13-150-0502 Account Number: 70594 Mwwwaleastern.com

Methich 3

Phosphorus

Reserve

A&L Eastern Laboratories

7621 Whitepine Road Richmond, Virginia 23237 (804) 743-9401 Fax (804) 271-6446

Magnesium

Ma

Send To: RECYC SYSTEMS INC

Lab

Number

SUSAN TRUMBO 8455 WHITESHOP RD CULPEPER VA 22701 Grower:
DIXIE LEE FARM/LUDLF
LUNENBURG CO

Submitted By: CHARLES CARLO

Sodium

Na

Farm ID:

pН

Soil Buffer

SOIL ANALYSIS REPORT

Potassium

K

Analytical Method(s):

Mehlich 3

Calcium

Ca

Date Received: 05/30/2013

Date Of Analysis: 05/31/2013

ENR

Organic Matter

Date Of Report: 06/03/2013

Fleta ID	Number	<u> </u>	‰ R 	Rate	lbs/A		Rat Rate		Rat	e ppr	n F	Rate	ppm		ppm	Rate	рр	m Rate	pH	Inde		eq/100g	meq/100g
12	08184	1	.6	L	77	134	VH			55		L	52	М	262	•	-		4.9	6.78	•	1.5	3.4
13	08185	1	.6	L	77	96	н			58		L	62	Н	319				5.4	6.84		0.9	3.2
14	08186	1	.3	L	72	129	VH			50		L	48	М	286	N	1		5.3	6.84		0.9	2.8
15	08187	1	.4	L	73	119	VН			74		М	60	Н	297	ı	-		5.3	6.83		1.0	3.2
16	08188	1	.3	L	71	72	н			66		M	59	М	300		-		5.2	6.82	!	1.1	3.3
C+		Perce	nt Base	Satura	ation		Nitrate	Sı	ulfur	Zir	nc	Mar	ganese	In	on .	Copp	er	Boron	Soluble	Salts	Chi	oride	Aluminum
Sample ID Field ID	K %	Mg %	Ca %	Na %			NO ₃ N pm Rate		S Rate	Z ppm			Mn Rate		e Rate	Cu		B nnm Rat	S: e ms/cm		I	CI Rate	Al ppm
12	4.1	12.7	38.5	_	43.	\top	<u> </u>	PP			- 1	- P				la la maria		ppm reac	11137011	,,,,,,	PP	, tiate	·
13	4.6	16.1	49.8		27.	9																	
14	4.6	14.3	51.1		31.	5															<u> </u>		
15	5.9	15.6	46.4		30.	6				-													
16	5.1	14.9	45.5	<u> </u>	33.					,		<u> </u>		 									

Values on this report represent the plant available nutrients in the soil. Rating after each value: VL (Very Low), L (Low), M (Medium), H (High), VH (Very High), ENR - Estimated Nitrogen Release, C.E.C. - Cation Exchange Capacity.

Explanation of symbols: % (percent), ppm (parts per million), tbs/A (pounds per acre), ms/cm (milli-mhos per centimeter), meq/100g (milli-equivalent per 100 grams). Conversions: ppm x 2 = lbs/A, Soluble Salts ms/cm x 640 = ppm.

This report applies to sample(s) tested. Samples are retained a maximum of thirty days after testing.

Analysis prepared by: A&L Eastern Laboratories, Inc.

by: Pourice Mc George

Pauric McGroary

C.E.C

Acidity

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Page 10 of 14

Report Number: 13-150-0502 Account Number: 70594



A&L Eastern Laboratories

7621 WhitepIne Road Richmond, Virginia 23237 (804) 743-9401 Fax (804) 271-6446

DIXIE LEE FARM/LUDLF

LUNENBURG CO

Send To: RECYC SYSTEMS INC

SUSAN TRUMBO 8455 WHITESHOP RD CULPEPER VA 22701 Grower:

Submitted By: CHARLES CARLO

Farm ID:

Date Received: 05/30/2013

Date Of Report: 06/03/2013

SOIL FERTILITY RECOMMENDATIONS

Sample ID Field ID	Intended Crop	Yield Goal	Lime Tons/A	Nitrogen N Ib/A	Phosphate P ₂ O ₅ Ib/A	Potash K ₂ O Ib/A	Magnesium Mg Ib/A	Sulfur S Ib/A	Zinc Zn lb/A	Manganese Mn lb/A	fron Fe Ib/A	Copper Cu lb/A	Boron B lb/A
12	Adjust pH to 6.8	0	2.0				28						
13	Adjust pH to 6.8	0	1.8				18						
14	Adjust pH to 6.8	0	1.8				32						
15	Adjust pH to 6.8	0	1.8				20						
16	Adjust pH to 6.8	0	1.8				21						

Comments:

Sample(s): 13,14,15,16 Crop: Adjust pH to 6.8

If dolomitic lime is not used, apply required magnesium with magnesium oxide. Epsom Salts, K-Mag or Sul-PO-Mag.

Sample(s): 14,16 Crop: Adjust pH to 6.8

Apply dolomitic lime to raise pH and improve the magnesium level.

"The recommendations are based on research data and experience, but NO GUARANTEE or WARRANTY expressed or implied, concerning crop performance is made."

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Page 11 of 14

Report Number: 13-150-0502 Account Number: 70594

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7621 Whitepine Road Richmond, Virginia 23237 (804) 743-9401 Fax (804) 271-6446

Send To: RECYC SYSTEMS INC

SUSAN TRUMBO 8455 WHITESHOP RD **CULPEPER VA 22701**

Grower:

Submitted By: CHARLES CARLO

DIXIE LEE FARM/LUDLF LUNENBURG CO

Farm ID:

SOIL ANALYSIS REPORT

Analytical Method(s):

Mehlich 3

Date Received: 05/30/2013

Date Of Analysis: 05/31/2013

Date Of Report: 06/03/2013

		Or	ganic M	atter	;	Phos	phorus		Pota	assium	Mag	nesium	Cal	cium	So	dium	ļ	ρΗ.	Acidity	C:E.C
Sample ID Field ID	Lab Number	· %	Rate	ENR lbs/A	Mehli ppm Rat		Res ppm	erve Rate	ppm	K Rate	ppm	Mg Rate	l	Ca Rate	ppm	Na Rate	Soil pH	Buffer Index	H meq/100g	meq/100g
17	08189	1.3	L	72	124	VH		-	55	L	56	Н	271	L			5.2	6:83	1.0	3.0
18A	08191	1.7	L	79	113	Н			64	L	79	Н	469	M			6.0	6:87	0.6	3.7
18B	08192	1.6	L.	77	128	VH			74	М	79	Н	386	М			5.8	6.86	0.7	3.4
19	08193	2.8	М	94	67	Н			109	М	243	н	1005	М			6.3	6.84	0.9	8.2
20A	08194	1.9	L	. 81	35	М			89	l.	117	Н	486	L			5.4	6.79	1.4	5.1

		Perce	nt Base	Saturati	ion .	Nitr	ate	: Su	lfur	Zi	nc	Mang	anese	l In	on.	Cop	per	Во	ron	Soluble	Salts	Chi	oride	Aluminum
Sample IID Field ID	K %	Mg %	Ca %	Na %	H %	NO ppm		ppm ;	S Rate	ppm 2	'n Rate	ppm	ln Rate	ppm F	e Rate	,ppm		ppm	B Rate	S: ms/cm		l	CI Rate	Al ppm
17	4.7	15.6	45.2		33.9																			-
18A	4.4	17.8	63.4		15.6																,		-	
188	5.6	19.4	56.8		19.2												-							
19	3.4	24.7	61.3		10.5										· -							-		1
20A	4.5	19.1	47.6		28.1				-						-									_

Values on this report represent the plant available nutrients in the soil. Rating after each value: VL (Very Low), L (Low), M (Medium), H (High), VH (Very High). ENR - Estimated Nitrogen Release. C.E.C. - Cation Exchange Capacity.

Explanation of symbols: % (percent), ppm (parts per million), lbs/A (pounds per acre), ms/cm (milli-mhos per centimeter), meq/100g (milli-equivalent per 100 grams). Conversions: ppm x 2 = lbs/A, Soluble Salts ms/cm x 640 = ppm.

This report applies to sample(s) tested. Samples are retained a maximum of thirty days after testing.

Analysis prepared by: A&L Eastern Laboratories, Inc.

Page 12 of 14

Report Number: 13-150-0502

Account Number: 70594



A&L Eastern Laboratories

7621 Whitepine Road Richmond, Virginia 23237 (804) 743-9401 Fax (804) 271-6446

DIXIE LEE FARM/LUDLF

LUNENBURG CO

Send To: RECYC SYSTEMS INC

SUSAN TRUMBO 8455 WHITESHOP RD CULPEPER VA 22701 Grower:

Submitted By: CHARLES CARLO

Farm ID:

TESHOP RD

Date Received: 05/30/2013

Date Of Report: 06/03/2013

SOIL FERTILITY RECOMMENDATIONS

Sample ID Field ID	Intended Crop	Yield Goal	Lime Tons/A	Nitrogen N Ib/A	Phosphate P ₂ O ₅ 1b/A	Potash K ₂ O Ib/A	Magnesium Mg Ib/A	Sulfur S lb/A	Zinc Zn lb/A	Manganese Mn Ib/A	Iron Fe Ib/A	Copper. Cu lb/A	Boron B Ib/A
17	Adjust pH to 6.8	0	1.8				24						
18A	Adjust pH to 6.8	0	1.3				1						1
188	Adjust pH to 6.8	0	1.5				1						
19	Adjust pH to 6.8	0	1.0		·		0						
20A	Adjust pH to 6.8	0	2.0				0						

Comments:

Sample(s): 18A,18B Crop: Adjust pH to 6.8

If dolomitic lime is not used, apply required magnesium with magnesium oxide. Epsom Salts, K-Mag or Sul-PO-Mag.

"The recommendations are based on research data and experience, but NO GUARANTEE or WARRANTY expressed or implied, concerning crop performance is made."

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Pauric Mc George

Page 13 of 14

Report Number: 13-150-0502 Account Number: 70594



A&L Eastern Laboratories

7621 Whitepine Road Richmond, Virginia 23237 (804) 743-9401 Fax (804) 271-6446

Send To: RECYC SYSTEMS INC

SUSAN TRUMBO 8455 WHITESHOP RD CULPEPER VA 22701 Grower:

Submitted By: CHARLES CARLO

Farm ID:

DIXIE LEE FARM/LUDLF - LUNENBURG CO

SOIL ANALYSIS REPORT

Analytical Method(s):

Mehlich 3

Date Received: 05/30/2013

Date Of Analysis: 05/31/2013

Date Of Report: 06/03/2013

Camala ID		Or	ganic Ma	atter		Phos	phorus		Pot	assium	Mag	nesium	Cal	lcium	Sodium		pН	Acidity	C.E.C
Sample ID Field ID	Lab Number	%	Rate	ENR lbs/A		nlich 3 at Rate		serve Rate	ppm	K Rate	ppm	Mg Rate	ppm	Ca Rate	Na ppm Ra	Soi te P		H meq/100g	meq/100g
20B	08195	22	L	86	32	М		,	90	М	141	Н	516	L		5.3	6.75	1.8	5.8
21	08196	2.0	L	81	62	Н			110	M	155	Н	588	L		5.5	6.77	1.6	6.1
22A	08197	1.7	L	79	25	L	-		34	VL	73	Н	295	L		5.2	6.82	1.1	3.3
22B	08198	1.9	L	83	42	М			29	VL	68	Н	322	L		5.1	6.79	1.4	3.6
23	08199	2.8	М	97	57	н			60	L	102	M	612	L		5.1	6.69	2.4	6.5

0		Perce	nt Base	Saturati	on	Nito	ate	Si	lfur	Zii	10	Mang	anese	Ir	on	Сорг	per	Во	ron	Soluble	Salts	Chia	ride	Aluminum
Sample IO Field ID	K %	Mg %	Ca %	Na %	H %	ppm	J	ppm	S Rate	Z ppm		ppm M	In Rate	.ppm	Fe Rate	Cı ppm		ppm E	B Rate	SS ms/cm		ppm	l Rate	Al ppm
20B	4.0	20.3	44.5		30.9											,							-	
21	4.6	21.2	48.2		25.7								 -											
22A	2.6	18.4	44.7		34.1								·			\								
22B	2.1	15.7	44.7		37.6				•							7				-				
23	2.4	13.1	47.1		37.6																			

Values on this report represent the plant available nutrients in the soil. Rating after each value: VL (Very Low), L (Low), M (Medium), H (High), VH (Very High), ENR - Estimated Nitrogen Release, C.E.C. - Cation Exchange Capacity.

Explanation of symbols: % (percent), ppm (parts per million), lbs/A (pounds per acre), ms/cm (milli-mhos per centimeter), meq/100g (milli-equivalent per 100 grams). Conversions: ppm x 2 = lbs/A, Soluble Salts ms/cm x 640 = ppm.

This report applies to sample(s) tested. Samples are retained a maximum of thirty days after testing.

Analysis prepared by: A&L Eastern Laboratories, Inc.

by: Pauric Mc George

Page 14 of 14

Report Number: 13-150-0502 Account Number: 70594 PALL WWW.aleastern.com

A&L Eastern Laboratories
7621 Whitepine Road Richmond, Virginia 23237 (804) 743-9401 Fax (804) 271-6446

Send To: RECYC SYSTEMS INC

SUSAN TRUMBO 8455 WHITESHOP RD CULPEPER VA 22701 Grower:

Submitted By: CHARLES CARLO

Farm ID:

DIXIE LEE FARM/LUDLF LUNENBURG CO

Date Received: 05/30/2013

Date Of Report: 06/03/2013

SOIL FERTILITY RECOMMENDATIONS

Sample ID Field ID	Intended Crop	Yield Goal	Lime Tons/A	Nitrogen N Ib/A	Phosphate P ₂ O ₅ Ib/A	Potash K ₂ O Ib/A	Magnesium Mg Ib/A	Sulffur S Ib/A	Zinc Zn Ib/A	Manganese Mn lb/A	iron Fe ib/A	Copper Cu lb/A	Boron B ib/A
20B	Adjust pH to 6.8	0	2.3				0						
21	Adjust pH to 6.8	0	2.0				0						
22A	Adjust pH to 6.8	0	1.8				7						-
22B	Adjust pH to 6.8	0	2.0				12						
23	Adjust pH to 6.8	0	2.5				0						

Comments:

Sample(s): 22A,22B Crop: Adjust pH to 6.8

If dolomitic time is not used, apply required magnesium with magnesium oxide, Epsom Salts, K-Mag or Sul-PO-Mag.

Sample(s): 23 Crop: Adjust pH to 6.8

Apply dolomitic lime to raise pH and improve the magnesium level.

"The recommendations are based on research data and experience, but NO GUARANTEE or WARRANTY expressed or implied, concerning crop performance is made."

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NUTRIENT MANAGEMENT PLAN IDENTIFICATION

Operator

R.R. Gunn 464 Laurel Branch Road Kenbridge, VA 23944 434-676-8334

Integrator:None

Farm Coordinates

Easting: 0, Northing: 0, zone: 17

Watershed Summary

watershed: CM09-CM10 county: Lunenburg

Nutrient Management Planner

Harrison moody

Tuor o Zilles Road

Blackstone, VA 23824

Certification Code::31/

Acreage Use Summary

Total Acreage in this plan: 703.5

Cropland: 390. 390.2

Hayland: 313. 313.3

Pasture: 0 0.

Specialty: 0

0.

Livestock Summary

Beef Cattle 0

Dairy Cattle 0 0

Poultry 0

0 0

Swine 0

Other 0

0

Manure Production Balance

	Imported	Produced	Exemperted	Used	Net
kgals	0.	0.	0.	0.	0.
toms	0.	0.	0,	O,	0.

Plan written 1/1/2013 Valid until 1/1/2014

Signature:	The second secon		
	Planner	-	date

Nutrient Management Plan Balance Sheet (Spring, 2013-Spring, 2014) New FarmDixie Lee Farms

-Blannendamicon Nevery (vert-No-244)

Tract: T 16606A Location: Lunenburg
(N = N based, 1P = P based, 15P = P based, 15

			P based at 1.5 remo	val, UP = NO P a	illowed)								
Field CFSA No. /Name	Size (ac) Total/	Yr.	Сгор	Needs N-P-K	Leg /Man	Manure/Blesid Rate & Type	IT. (d)	Man/Bitos N-P-K	Net = Needs - appld N-P-K	P	Commercial N-P-K	Notes	
	Used			(lbs/ac)	Resid	(Season)		(lbs/ac)	(lbs/ac)	rem	(lbs/ac)	L	<u> </u>
ONLUDIE 1(N)	145/14 5	2013	Hay/Pasture	100-90-120	0/0				100-90-120	N/A			
OVLLUIDILF 2(N)	68/68	2013	Hay/Pasture	100-60-110	0/0	•			100-60-110	N/A		1	1
OVLUNDILF 3(N)	69/69	2013	Hay/Pasture	100-40-120	0/0		1		100-40-120	N/A			1
OULLUDILF 4(N)	32/32	2013	Hay/Pasture	100-40-70	0/0			Ī	100-40-70	N/A		T	T
OXLUMBLE 5(N)	28/28	2013	Soybeans (FS)	0-20-80	0/0		7		0-20-80	N/A		1	
OXLUIDUF 6(1PP)	6/6	2013	Soybeans (FS)	0-0-80	0/0				0-0-80	26		1	
OVLUDILF 7(1PP)	32/32	2013	Soybeans (FS)	0-0-100	0/0				0-0-100	27			
O/LLUIDILF 8(1PP)	7/7	2013	Soybeans (FS)	0-0-B0	0/0				0-0-80	23			
OVLUMBALF 9(1FP)	21/21	2013	Soybeans (FS)	0-0-80	0/0	I			0-0-80	23	l	T	
OXLUIDILF 10(N)	7/7	2013	Soybeans (FS)	0-20-80	0/0				0-20-80	N/A		1	T

Commercial Application Methods: br - Broadcast ba - Banded sd - Sidedress

Tract: T166666B Lodaccation: Lumenburg

N = Nibased 17P= Field CFSA No. /Name	Size (ac) Total/		Стор	Needs N-P-K (Ibs/ac)	Leg /Man Resid	o P <u>allow</u> Manure/Bissid Rate & Type (season)	(B)	Man/Blos N-P-K (Ibs/ac)	Net ≡ Needs → appld N-P-K (lbs/ac)	Sum P rem	Commercial N-P-K (lbs/ac)	Notes	
	Used	1	<u> </u>			<u> </u>				cred			╁
0/LWDLF 11(1P)	20/20	2013	Soybeans (FS)	0-0-80	0/0				0-0-80	23			╄
OVLUIDLE 12(1P)	19/19	2013	Soybeans (FS)	0-0-80	0/0				0-0-80	28			↓
O'LUDLF 13(N)	14/14	2013	Soybeans (FS)	0-30-80	0/0			· ·	0-30-80	N/A			┸
O/LUDLF 14(1P)	8/8	2013	Soybeans (FS)	0-0-80	0/0	<u> </u>		T.	0-0-80	23	İ		丄
O/LUCLF 15(N)	28/28	2013	Soybeans (FS)	0-20-60	0/0				0-20-60	N/A		<u> </u>	<u> </u>
O/LUIDLF 16(N)	23/23	2013	Soybeans (FS)	0-30-80	0/0		_		0-30-80	N/A		<u> </u>	
O/LUIDLF 17(IN)	11/11		Soybeans (FS)	0-20-80	0/0		_	1	0-20-80	N/A		I	上

Commercial Application Methods:

br - Broadcast ba - Banded sd - Sidedress

Tract: T 16607 Location: Lunenburg

(N = N based, 1P = P	based,	1.5P = J	P based at 1.5 remov	al, OP = No P al	lowed)								
Fleid	Size	Yr.	Crop	Needs	Leg	Manure/Biosid	IT.	Man/Bios	Net = Needs -	Sum	Commercial	Notes	
CFSA No.	(ac)	1		N-P-K	/Man	Rate & Type	(d)	N-P-K	appld N-P-K	P	N-P-K	1	•
/Name	Total/	1		(lbs/ac)	Resid	(season)		(lbs/ac)	(lbs/ac)	rem	(lbs/ac)		
	Used				1			·		cred		<u> </u>	
0/LUDLF 19(N)	14/14	2013	Soybeans (FS)	0-40-40	0/0	ľ			0-40-40	N/A			<u> </u>
0/LUDLF 20(N)	30/30	2013	Soybeans (FS)	0-60-60	0/0				0-60-60	N/A			<u> </u>
0/LUDLF 21(N)	14/14	2013	Soybeans (FS)	0-40-40	0/0				0-40-40	N/A			

Commercial Application Methods: br - Broadcast ba - Banded sd - Sidedress

Tract: T 16609 Location: Lunenburg (N = N based, 1P = P based, 1.6P = P based

48/48

(N - N Daseu, IF - F	Daseu,	1.85	P Daseu at 1.0 leiliby	aı, ur - nu r aı	oneu)_								
Field	Size	Yr.	Crop	Needs	Leg	Manure/Biosid	IT	Man/Blos	Net = Needs -		_ +	Notes	
CFSA No.	(ac)		1	N-P-K	/Man	Rate & Type	(d)	N-P-K	appld N-P-K	-	N-P-K	1	
/Name	Total/	1		(lbs/ac)	Resid	(season)	'	(lbs/ac)	(lbs/ac)	rem	(lbs/ac)	1	Į.
<u> </u>	Used		<u> </u>			l				cred		L	Ļ

0-20-60

N/A

0-20-80

0/0

Commercial Application Methods: br - Broadcast ba - Banded sd - Sidedress

2013 Soybeans (FS)

Notes:

0/LUDLF 18(N)

Tract: T 16610 Location: Lunenburg
(N = N based, 1P = P based, 1.5P = P based at 1.5 removal, 0P = No P allowed)

Field CFSA No. /Name	Size (ac) Total/ Used	Yr.	Сгор	Needs N-P-K (lbs/ac)	/Man	Manure/Blosid Rate & Type (season)	IT · (d)	1	Net = Needs - appld N-P-K (ibs/ac)	P	Commercial N-P-K (lbs/ac)	Notes	
0/LUDLF 22(N)	50/50	2013	Soybeans (FS)	0-60-100	0/0				0-60-100	N/A	1	[
0/LUDLF 23(N)	9/9	2013	Soybeans (FS)	0-40-80	0/0				0-40-80	N/A			1

Commercial Application Methods: br - Broadcast ba - Banded sd - Sidedress

New FarmDixie Lee Farms Narrative

This is the Dixie Lee Farms, Inc. farm located in Lunenburg County. The farm consists of crop and pasture fields.

This is a partial plan written for the purpose of obtaining a biosolids permit. Biosolids application has not been shown since it is uncertain when a permit will be obtained. The partial plan will be revised prior to biosolids application to obtain a target biosolids application rate.

Soil Test Summary

Tract	Field	Acre	Date	P2O5	K2O	Lab	Soll	Lime	rec. lime
							pH	Date	tons/Ac
T 16606A	LUDLF 1	145	2013-Sp	L- (11 P ppm)	L+ (50 K ppm)	A&L MIII	6.		
T 16606A	LUDLF 2	68		M- (24 P ppm)	M- (58 K ppm)	A&L, MIII	6.1		
T 16606A	LUDLF 3	69	2013-Sp	M+ (41 P ppm)	L+ (49 K ppm)	A&L MIII	5.8		
T 16606A	LUDLF 4	32	2013-Sp	H (72 P ppm)	H- (140 K ppm)	A&L MIII	5.3		
T 16606A	LUDLF 5	28	2013-Sp	H+ (104 P ppm)	L+ (45 K ppm)	A&L MIII	6.2		
T 16606A	LUDLF 6	6	2013-Sp	VH (156 P ppm)	L+ (45 K ppm)	A&L MIII	5.9		
T 16606A	LUDLF 7	32	2013-Sp	VH (144 P ppm)	L (36 K ppm)	A&L MIII	6.1		
T 16606A	LUDLF 8	7	2013-Sp	VH (191 P ppm)	M- (62 K ppm)	A&L MIII	5.5		
T 16606A	LUDLF 9	21	2013-Sp	VH (166 P ppm)	L+ (52 K ppm)	A&L MIII	5.7		
T 16606A	LUDLF 10	7	2013-Sp	H+ (126 P ppm)	M- (56 K ppm)	A&L MIII	5.7		
T 16606B	LUDLF 11	20	2013-Sp	VH (166 P ppm)	M- (65 K ppm)	A&L MIII	5.5		
T 16606B	LUDLF 12	19	2013-Sp	VH (134 P ppm)	M- (55 K ppm)	A&L MIII	4.9		
T 16606B	LUDLF 13	14	2013-Sp	H (96 P ppm)	M- (58 K ppm)	A&L MIII	5.4		
T 16606B	LUDLF 14	8	2013-Sp	VH (129 P ppm)	L+ (50 K ppm)	A&L MIII	5.3		
T 16606B	LUDLF 15	28	2013-Sp	H+ (119 P ppm)	M (74 K ppm)	A&L MIII	5.3		
T 16606B	LUDLF 16	23	2013-Sp	H (72 P ppm)	M- (66 K ppm)	A&L MIII	5.2		
T 16606B	LUDLF 17	11	2013-Sp	H+ (124 P ppm)	M- (55 K ppm)	A&L MIII	5.2		
T 16607	LUDLF 19	14	2013-Sp	H- (67 P ppm)	M+ (109 K ppm)	A&L MIII	6.3		
T 16607	LUDLF 20	30	2013-Sp	M (34 P ppm)	M (90 K ppm)	A&L MIII	5.4		
T 16607	LUDLF 21	14		H- (62 P ppm)	M+ (110 K ppm)	A&L MIII	5.5		
T 16609	LUDLF 18	48	2013-Sp	H+ (118 P ppm)	M- (69 K ppm)	A&L MIII	5.9		
T 16610	LUDLF 22	50	2013-Sp	M (33 P ppm)	L (32 K ppm)	A&L MIII	5.2		
T 16610	LUDLF 23	9	2013-Sp	H- (57 P ppm)	M- (60 K ppm)	A&L MIII	5.1		

Field Productivities for Major Crops

Tract Name	Tract/ Field	Field Name	Acres	Predominant Soil Series	Corn	Small Grain	Alfalfa	Grass Hay	Environmental Warnings
T 16606A	0/0	LUDLF 1	145	Iredell		V	Not	IV IV	
					•	•	Suited	14	
	0/0	LUDLF 2	68	Helena	V	V	Not	IV	
	0.70					•	Suited	14	
	0/0	LUDLF 3	69	Appling	V	IV	III	IV	
	0/0	LUDLF 4	32	Appling	Ÿ	ΪV	iii	ΙV	
	0/0	LUDLF 5	28	Appling	lVb	iii	iii	ίν	
	0/0	LUDLF 6	6	Appling	lVb	iii	Not	IV	
				.,	145	***	Suited	IV	
	0/0	LUDLF 7	32	Caroline	IVb	III	Not	IV	
					***	•••	Suited	IV	
	0/0	LUDLF 8	7	Appling	IVb	IV	Suited III		
	0/0	LUDLF 9	21	Appling	V	IV	111 111	IV	
	0/0	LUDLF 10	7	Appling	ΙVb	IV IV		IV	
16606B	0/0	LUDLF 11	20	Appling	IVb	IV	111	<u> IV </u>	
	0/0	LUDLF 12	19	Caroline	IVb	III		IV	
			, -	04.01110	140	111	Not	IV	
	0/0	LUDLF 13	14	Appling	IVb	IV	Suited	15.4	
	0/0	LUDLF 14	8	Appling	IVb	IV IV	111	IV	
	0/0	LUDLF 15	28	Appling	IVb	IV	· III	IV	
	0/0	LUDLF 16	23	Appling	IVb	IV	III 	IV IV	
	0/0	LUDLF 17	11	Appling	V		III III	IV	
16607	0/0	LUDLF 19	14	Appling	IVb	IV_		_IV	
	0/0	LUDLF 20	30	Appling		IV	111	ĪV	
	0/0	LUDLF 21	14	Appling	IVb V	IV	[]] '''	IV	
16609	0/0	LUDLF 18	48	Appling		_IV		_IV	
16610	0/0	LUDLF 22	50	Cecil	IVb	IV	111	IV	
	0/0	LUDLF 23	9		lVb	IV	111	IV	
		CODE 20	9	Appling	lVb	IV	IM	IV	

Yield Range

Corn Grain Bu/Acre		Std. Wheat Bu/Acre		Grass/Hay Tons/Acre
>170	>80	>64	>6	>4.0

Farm Summary Report

Plan:

New Plan

Spring, 2013 - Spring, 2014

Farm Name:

New FarmDixle Lee Farms

Location:

Lunenburg

Specialist:

Harrison Moody

N-based Acres: 589.2 P-based Acres: 114.3

Tract Name:

T 16606A

FSA Number: 0

Location:

Lunenburg

Field Name:

LUDLF 1

Total Acres:

144.50 Usable Acres: 144.50

FSA Number: 0

Tract:

T 16606A

Location:

Lunenburg

Slope Class: C Hydrologic Group:

C

Riparian buffer width: 0 ft Distance to stream: 0 ft

Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

%slope: 0.0

Slope Len: 0.

R factor: 0.0

K factor: 0.0

T factor: 0.0

P factor: 1.0

Cmax: 0.000

Erosion: 0.0 tons/acre

Soil Test Results:

DATE

РΗ

Lab

Sp-2013

6.0

L-(11 P ppm)

L+(50 K ppm)

Κ

A&L MIII

Soils:

PERCENT SYMBOL SOI SOIL SERIES
14 182 Apprinpling
8 1C2 Apprinpling
11 882 Georgeorgieville
6 108 Heleftelena
19 10C2 Helleftelena
22 128 Irediedell
20 12C2 Irededell

Field Warnings:

Crop Rotation:

PLÁNTED

YIELD

CROP NAME

2013-Sp

1.5 * ton

Hay/Pasture - No Till

Field Name:

LUDLF 2

Total Acres:

67.50 Usable Acres: 67.50

FSA Number:

Tract:

T 16606A

Location:

Lunenburg

Slope Class:

C

0

Hydrologic Group:

C

Riparian buffer width: 0 ft Distance to stream: 0 ft

Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

%slope: 0.0

Slope Len: 0.

R factor: 0.0

K factor: 0.0

T factor: 0.0

P factor: 1.0

Cmax: 0.000

Erosion: 0.0 tons/acre

Soil Test Results:

DATE PH P K Lab

Sp-2013 6.1 M-(24 P ppm) M-(58 K ppm) A&L MIII

Soils:

PERCENT SYMBOL SOIL SERIES

13 1C2 App/hippling
10 1OB Hellelena
10 1OC2 Hellelena

Field Warnings:

Crop Rotation:

PLANTED YIELD CROP NAME

2013-Sp 1.5 * ton Hay/Pasture - No Till

Field Name: LUDLF 3

Total Acres: 68.90 Usable Acres: 68.90

FSA Number: 0

Tract: T 16606A

Location: Lunenburg

Slope Class: C Hydrologic Group: B

Riparian buffer width: 0 ft Distance to stream: 0 ft

Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

%slope: 0.0 Slope Len: 0. R factor: 0.0 K factor: 0.0

T factor: 0.0 P factor: 1.0 Cmax: 0.000 Erosion: 0.0 tons/acre

Soil Test Results:

DATE PH Sp-2013

5.8

M+(41 P ppm)

Κ L+(49 K ppm)

A&L MIII

Lab

Soils: **PERCENT**

SYMBOL

SOIL SERIES

36 1B 33 1C 1B2 AppAppling

1C2 Applippling

10 10

10B Heletelena

21 10C

10C2 Helletena

Field Warnings:

Crop Rotation:

PLANTED

YIELD

CROP NAME

2013-Sp

1.6 * ton

Hay/Pasture - No Till

Field Name:

LUDLF 4

Total Acres:

32.40 Usable Acres: 32.40

FSA Number: 0

Tract:

T 16606A

Location:

Lunenburg

Slope Class:

C

Hydrologic Group:

В

Riparian buffer width: 0 ft Distance to stream: 0 ft

Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

%slope: 0.0

Slope Len: 0.

R factor: 0.0

K factor: 0.0

T factor: 0.0

P factor: 1.0

Cmax: 0.000

Erosion: 0.0 tons/acre

Soil Test Results:

DATE PH

K

Lab

Sp-2013

5.3 H(72 P ppm) H-(140 K ppm)

A&L MIII

Soils:

PERCENT

SYMBOL

SOIL SERIES

41 18 **28** 1C 1B2 AppAppling 1C2 AppAippling

3 10

10B Helelena

28 10C

10C2 Hellterlena

Field Warnings:

Crop Rotation:

PLANTED

YIELD

CROP NAME

2013-Sp

1.6 * ton

Hay/Pasture - No Till

Field Name:

LUDLF 5

Total Acres:

28.20 Usable Acres: 28.20

FSA Number: 0

Tract:

T 16606A

В

Location:

Lunenburg

Slope Class:

Hydrologic Group:

Riparian buffer width: 0 ft Distance to stream: 0 ft

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

%slope: 0.0

Slope Len: 0.

R factor: 0.0

K factor: 0.0

T factor: 0.0

P factor: 1.0

Cmax: 0.000

Erosion: 0.0 tons/acre

Soil Test Results:

DATE

PH

Ρ

K

Lab

Sp-2013

6.2

H+(104 P ppm)

L+(45 K ppm)

A&L MIII

Soils:

PERCENT SYMBOL SOIL SERIES
63 1B2 Appling
15 1C2 Appling
21 4B Caroline

Field Warnings:

Crop Rotation:

PLANTED YIELD CROP NAME

2013-Sp 28.1 * bushel(s) Soybeans (FS) - Tilled

Field Name: LUDLF 6

Total Acres: 6.30 Usable Acres: 6.30

FSA Number: 0

Tract: T 16606A

Location: Lunenburg

Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft Distance to stream: 0 ft

P-Index Summary P-based(1.0)

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

%slope: 0.0 Slope Len: 0. R factor: 0.0 K factor: 0.0

T factor: 0.0 P factor: 1.0 Cmax: 0.000 Erosion: 0.0 tons/acre

Soil Test Results:

DATE PH P K

Sp-2013 5.9 VH(156 P ppm) L+(45 K ppm) A&L MIII

Soils:

PERCENT SYMBOL SOIL SERIES

45 1B2 **Appling** 20 1C2 Appling 35 4B Caroline

Field Warnings:

Crop Rotation:

PLANTED YIELD **CROP NAME**

2013-Sp

29.3 * bushel(s)

Soybeans (FS) - No Till

Field Name:

LUDLF 7

Total Acres:

32.30 Usable Acres: 32.30

FSA Number: 0

Tract:

T 16606A

В

Location:

Lunenburg

Slope Class:

Hydrologic Group:

Riparian buffer width: 0 ft Distance to stream: 0 ft

P-Index Summary

P-based(1.0)

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

%slope: 0.0

Slope Len: 0.

R factor: 0.0

K factor: 0.0

T factor: 0.0

P factor: 1.0

Cmax: 0.000

Erosion: 0.0 tons/acre

Soil Test Results:

DATE

PH

Κ

Lab

Sp-2013

6.1 VH(144 P ppm) L(36 K ppm)

A&L MIII

Soils:

PERCENT

SYMBOL

SOIL SERIES

32 17 1B2 **Appling** 1C2

Appling

51

4B

Caroline

Field Warnings:

Crop Rotation:

PLANTED YIELD CROP NAME

2013-Sp 30.7 * bushel(s) Soybeans (FS) - No Till

Field Name: LUDLF 8

Total Acres: 7.10 Usable Acres: 7.10

FSA Number: 0

Tract: T 16606A

Location: Lunenburg

Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft Distance to stream: 0 ft

P-Index Summary

P-based(1.0)

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

%slope: 0.0 Slope Len: 0. R factor: 0.0 K factor: 0.0

T factor: 0.0 P factor: 1.0 Cmax: 0.000 Erosion: 0.0 tons/acre

Soil Test Results:

DATE PH P K Lab

Sp-2013 5.5 VH(191 P ppm) M-(62 K ppm) A&L MIII

Soils:

PERCENT SYMBOL SOIL SERIES

79 1B2 Appling 21 1C2 Appling

Field Warnings:

Crop Rotation:

PLANTED YIELD CROP NAME

2013-Sp 26.3 bushel(s) Soybeans (FS) - No Till

Field Name:

LUDLF 9

Total Acres:

21.40 Usable Acres: 21.40

FSA Number:

Tract:

T 16606A

0

В

Location:

Lunenburg

Slope Class:

Hydrologic Group:

В

Riparian buffer width: 0 ft Distance to stream: 0 ft

P-Index Summary

P-based(1.0)

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

%slope: 0.0

Slope Len: 0.

R factor: 0.0

K factor: 0.0

T factor: 0.0

P factor: 1.0

Cmax: 0.000

Erosion: 0.0 tons/acre

Soil Test Results:

DATE

PH

Р

Κ

Lab

Sp-2013

5.7

VH(166 P ppm)

L+(52 K ppm)

A&L MIII

Soils:

PERCENT

SYMBOL

SOIL SERIES

86 7

1**B**2 **Appling**

1**C**2 **Appling**

6

10B Helena

24B Worsham

Field Warnings:

Crop Rotation:

PLANTED

YIELD

CROP NAME

2013-Sp

25.9 * bushel(s)

Soybeans (FS) - No Till

Field Name:

LUDLF 10

Total Acres:

6.80

Usable Acres:

6.80

FSA Number: 0

Tract:

T 16606A

Location:

Lunenburg

Slope Class:

В Hydrologic Group: В

Riparian buffer width: 0 ft Distance to stream: 0 ft

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

%slope: 0.0

Slope Len: 0.

R factor: 0.0

K factor: 0.0

T factor: 0.0

P factor: 1.0

Cmax: 0.000

Erosion: 0.0 tons/acre

Soil Test Results:

DATE

РΗ

Κ

Lab

Sp-2013

5.7

H+(126 P ppm)

M-(56 K ppm)

A&L MIII

Soils:

PERCENT

SYMBOL

SOIL SERIES

85

1B2 **Appling**

15

1C2 Appling

Field Warnings:

Crop Rotation: PLANTED

YIELD

CROP NAME

2013-Sp

26.3 bushel(s)

Soybeans (FS) - No Till

Tract Name:

T 16606B FSA Number: 0

Location:

Lunenburg

Field Name:

LUDLF 11

Total Acres: 19.80 Usable Acres: 19.80 0

FSA Number:

Tract:

T 16606B

Location:

Lunenburg

Slope Class:

B Hydrologic Group:

В

Riparian buffer width: 0 ft Distance to stream: 0 ft

P-Index Summary

P-based(1.0)

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

%slope: 0.0

Slope Len: 0.

R factor: 0.0 K

K factor: 0.0

T factor: 0.0

P factor: 1.0

Cmax: 0.000

Erosion: 0.0 tons/acre

Soil Test Results:

DATE

PH

Р

K

Lab ·

Sp-2013

5.5

VH(166 P ppm)

M-(65 K ppm)

A&L MIII

Soils:

PERCENT

SYMBOL

SOIL SERIES

87

1B2 Appling

13

1C2 Appling

Field Warnings:

Crop Rotation:

PLANTED

YIELD

CROP NAME

2013-Sp

26.3 * bushel(s)

Soybeans (FS) - No Till

Field Name:

LUDLF 12

Total Acres:

19.30 Usable Acres:

19.30

FSA Number:

mber: 0

T 16606B

В

Location:

Tract:

Lunenburg

Slope Class:

Hydrologic Group:

С

Riparian buffer width: 0 ft Distance to stream: 0 ft

P-Index Summary

P-based(1.0)

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

%slope: 0.0 Slope Len: 0. R factor: 0.0 K factor: 0.0

T factor: 0.0 P factor: 1.0 Cmax: 0.000 Erosion: 0.0 tons/acre

Soil Test Results:

DATE PH P K Lab

Sp-2013 4.9 VH(134 P ppm) M-(55 K ppm) A&L Mill

Solls:

PERCENT SYMBOL SOIL SERIES

182 Appling
 13 1C2 Appling
 48 Caroline

Field Warnings:

Crop Rotation:

PLANTED YIELD CROP NAME

2013-Sp 31.3 * bushel(s) Soybeans (FS) - No Till

Field Name: LUDLF 13

Total Acres: 13.90 Usable Acres: 13.90

FSA Number: 0

Tract: T 16606B

Location: Lunenburg

Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft Distance to stream: 0 ft

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

%slope: 0.0

Slope Len: 0.

R factor: 0.0

K factor: 0.0

T factor: 0.0

P factor: 1.0

Cmax: 0.000

Erosion: 0.0 tons/acre

Soil Test Results:

DATE

PH

Lab

Sp-2013

5.4

H(96 P ppm)

M-(58 K ppm)

Κ

A&L MIII

Soils:

PERCENT

SYMBOL

SOIL SERIES

66

182 **Appling**

34

1C2 **Appling**

Field Warnings:

Crop Rotation:

PLANTED

YIELD

CROP NAME

2013-Sp

26.3 bushel(s)

Soybeans (FS) - No Till

Field Name:

LUDLF 14

Total Acres:

Usable Acres: 8.10

8.10

FSA Number: 0

Tract:

T 16606B

Location:

Lunenburg

Slope Class:

Hydrologic Group:

В

Riparian buffer width: 0 ft Distance to stream: 0 ft

P-Index Summary

P-based(1.0)

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

%slope: 0.0

Slope Len: 0.

R factor: 0.0

K factor: 0.0

T factor: 0.0

P factor: 1.0

Cmax: 0.000

Erosion: 0.0 tons/acre

Soil Test Results:

DATE PH

Lab

Sp-2013

5.3 VH(129 P ppm) L+(50 K ppm)

A&L MIII

Soils:

PERCENT

SYMBOL

SOIL SERIES

59

1B2 **Appling**

41

1C2 **Appling**

Field Warnings:

Crop Rotation:

PLANTED

YIELD CROP NAME

2013-Sp

26.3 bushel(s)

Soybeans (FS) - No Till

Field Name:

LUDLF 15

Total Acres:

28.20 Usable Acres.

FSA Number:

0 Tract:

T 16606B

Location:

Lunenburg

Slope Class:

Hydrologic Group:

Riparian buffer width: 0 ft Distance to stream: 0 ft

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

%slope: 0.0

Slope Len: 0.

R factor: 0.0

K factor: 0.0

T factor: 0.0

P factor: 1.0

Cmax: 0.000

Erosion: 0.0 tons/acre

Soil Test Results: PΗ

DATE

Р

Κ

Lab

Sp-2013

5.3

H+(119 P ppm)

M(74 K ppm)

A&L MIII

Soils:

PERCENT

SYMBOL

SOIL SERIES

92 8

1B2 **Appling**

1C2 **Appling**

Field Warnings:

Crop Rotation:

PLANTED

YIELD

CROP NAME

2013-Sp

26.3 * bushel(s)

Soybeans (FS) - No Till

Field Name:

LUDLF 16

Total Acres:

22.70 Usable Acres: 22.70

FSA Number:

Tract:

T 16606B

0

₿

Location:

Lunenburg

Slope Class:

Hydrologic Group:

В

Riparian buffer width: 0 ft Distance to stream: 0 ft

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

%slope: 0.0

Slope Len: 0.

R factor: 0.0

K factor: 0.0

T factor: 0.0

P factor: 1.0

Cmax: 0.000

Erosion: 0.0 tons/acre

Soil Test Results:

DATE

PH

P

Κ

Lab

Sp-2013

5.2 H(72 P ppm) M-(66 K ppm)

A&L MIII.

Soils:

PERCENT

SYMBOL

SOIL SERIES

82

1B2 Appling 1C2 **Appling**

Field Warnings:

Crop Rotation:

PLANTED

YIELD

CROP NAME

2013-Sp

26.3 bushel(s)

Soybeans (FS) - No Till

Field Name:

LUDLF 17

Total Acres:

11.00 Usable Acres: 11.00

FSA Number:

В

T 16606B

Tract: Location:

Lunenburg

Slope Class:

Hydrologic Group:

В

Riparian buffer width: 0 ft Distance to stream: 0 ft

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

%slope: 0.0

Slope Len: 0.

R factor: 0.0

K factor: 0.0

T factor: 0.0

P factor: 1.0

Cmax: 0.000

Erosion: 0.0 tons/acre

Soil Test Results:

DATE Sp-2013 PH

5.2

H+(124 P ppm)

Κ M-(55 K ppm)

A&L MIII

Lab

Soils:

PERCENT

SYMBOL

SOIL SERIES

82 18 1B2 **Appling** 1C2

Appling

Field Warnings:

Crop Rotation:

PLANTED YIELD CROP NAME 2013-Sp 26.3 * bushel(s) Soybeans (FS) - No Till Tract Name: T 16607 FSA Number: 0 Location: Lunenburg Field Name: **LUDLF 19** Total Acres: 14.20 Usable Acres: 14.20 FSA Number: 0 Tract: T 16607 Location: Lunenburg Slope Class: Hydrologic Group: В Riparian buffer width: 0 ft Distance to stream: 0 ft P-Index Summary N-based Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method %slope: 0.0 Slope Len: 0. R factor: 0.0 K factor: 0.0 T factor: 0.0 P factor 1.0 Cmax: 0.000 Erosion: 0.0 tons/acre

Soil Test Results:

DATE PH P K
Sp-2013 6.3 H-(67 P ppm) M+(109 K ppm) A&L MIII

Soils:

PERCENT SYMBOL SOIL SERIES
68 1B2 Appling
17 5B2 Cecil
15 1C2 Appling

Field Warnings:

Crop Rotation:

PLANTED

YIELD

CROP NAME

2013-Sp

26.3 bushel(s)

Soybeans (FS) - No Till

Field Name:

LUDLF 20

Total Acres:

29.80 Usable Acres: 29.80

FSA Number: 0

Tract:

T 16607

В

Location:

Lunenburg

Slope Class:

Hydrologic Group:

В

Riparian buffer width: 0 ft Distance to stream: 0 ft

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

%slope: 0.0

Slope Len: 0.

R factor: 0.0

K factor: 0.0

T factor: 0.0

P factor: 1.0

Cmax: 0.000

Erosion: 0.0 tons/acre

Soil Test Results:

DATE

PΗ

K

Lab

Sp-2013

5.4

M(34 P ppm)

M(90 K ppm)

A&L MIII

Soils:

PERCENT

SYMBOL

SOIL SERIES

55 38 1B2 **Appling** 1C2

Appling

7

5B2 Cecil

Field Warnings:

Crop Rotation:

PLANTED

YIELD

CROP NAME

2013-Sp

26.3 bushel(s)

Soybeans (FS) - No Till

Field Name:

LUDLF 21

Total Acres:

14.10 Usable Acres: 14.10

FSA Number:

0

Tract:

T 16607

Location:

Lunenburg

Slope Class: Hydrologic Group: С

В

Riparian buffer width: 0 ft Distance to stream: 0 ft

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

%slope: 0.0

Slope Len: 0.

R'factor: 0.0

K factor: 0.0

T factor: 0.0 P factor: 1.0

Cmax: 0.000

Erosion: 0.0 tons/acre

Soil Test Results:

DATE Sp-2013

PH

Κ

Lab

5.5 H-(62 P ppm) M+(110 K ppm) A&L MIII

Soils:

PERCENT

SYMBOL

SOIL SERIES

41

1B2 **Appling**

59

1C2 **Appling**

Field Warnings:

Crop Rotation:

PLANTED

YIELD

CROP NAME

2013-Sp

26.2 * bushel(s)

Soybeans (FS) - No Till

Tract Name:

T 16609

FSA Number: 0

Location:

Lunenburg

Field Name:

LUDLF 18

Total Acres:

48.10 Usable Acres: 48.10

FSA Number: 0

Tract: T 16609

Location: Lunenburg

Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft Distance to stream: 0 ft

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

%slope: 0.0 Slope Len: 0. R factor: 0.0 K factor: 0.0

T factor: 0.0 P factor: 1.0 Cmax: 0.000 Erosion: 0.0 tons/acre

Soil Test Results:

DATE PH P K Lab

Sp-2013 5.9 H+(118 P ppm) M-(69 K ppm) A&L MIII

Soils:

PERCENT SYMBOL SOIL SERIES

86 1B2 Appling 14 1C2 Appling

Field Warnings:

Crop Rotation:

PLANTED YIELD CROP NAME

2013-Sp 26.3 bushel(s) Soybeans (FS) - No Till

Tract Name: T 16610

FSA Number: 0

Location: Lunenburg

Field Name: LUDLF 22

Total Acres: 49.90 Usable Acres: 49.90

FSA Number: 0

Tract:

T 16610

Location:

Lunenburg

Slope Class:

Hydrologic Group:

В

Riparian buffer width: 0 ft Distance to stream: 0 ft

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

%slope: 0.0

Slope Len: 0.

R factor: 0.0

K factor: 0.0

T factor: 0.0

P factor: 1.0

Cmax: 0.000

Erosion: 0.0 tons/acre

Soil Test Results:

DATE Sp-2013 PH 5.2

Р

M(33 P ppm)

Κ

Lab

L(32 K ppm) **A&L MIII**

Soils:

PERCENT

SYMBOL

SOIL SERIES

6

1B2 **Appling**

32

1C2 **Appling**

62

5B2 Cecil

0

23D2 Wedowee

Field Warnings:

Crop Rotation:

PLANTED

YIELD

CROP NAME

2013-Sp

26.3 bushel(s)

Soybeans (FS) - No Till

Field Name:

LUDLF 23

Total Acres:

Usable Acres: 9.00 9.00

FSA Number: Tract:

T 16610

Location:

Lunenburg

Slope Class:

В

0

Hydrologic Group:

В

Riparian buffer width: 0 ft Distance to stream: 0 ft

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

%slope: 0.0

Slope Len: 0.

R factor: 0.0

K factor: 0.0

T factor: 0.0

P factor: 1.0

Cmax: 0.000

Erosion: 0.0 tons/acre

Soil Test Results:

DATE Sp-2013 PH

5.1

H-(57 P ppm)

Κ

Lab

M-(60 K ppm)

A&L MIII

Soils:

PERCENT

SYMBOL

SOIL SERIES

87

1B2 **Appling**

13

1C2 **Appling**

23D2

Wedowee

Field Warnings:

Crop Rotation:

PLANTED

YIELD

CROP NAME

2013-Sp

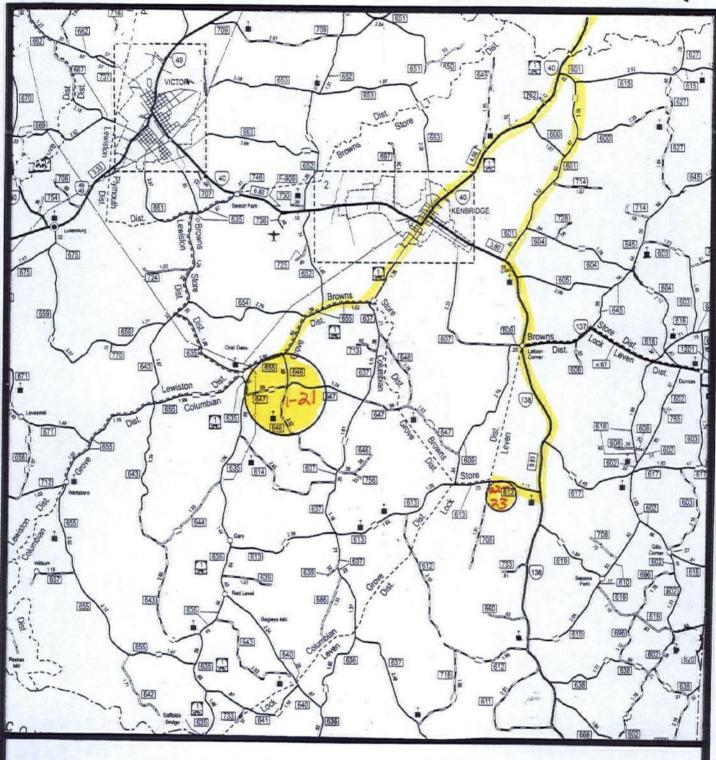
26.3 bushel(s)

Soybeans (FS) - No Till

MAPS

(Biosolids Land Application)





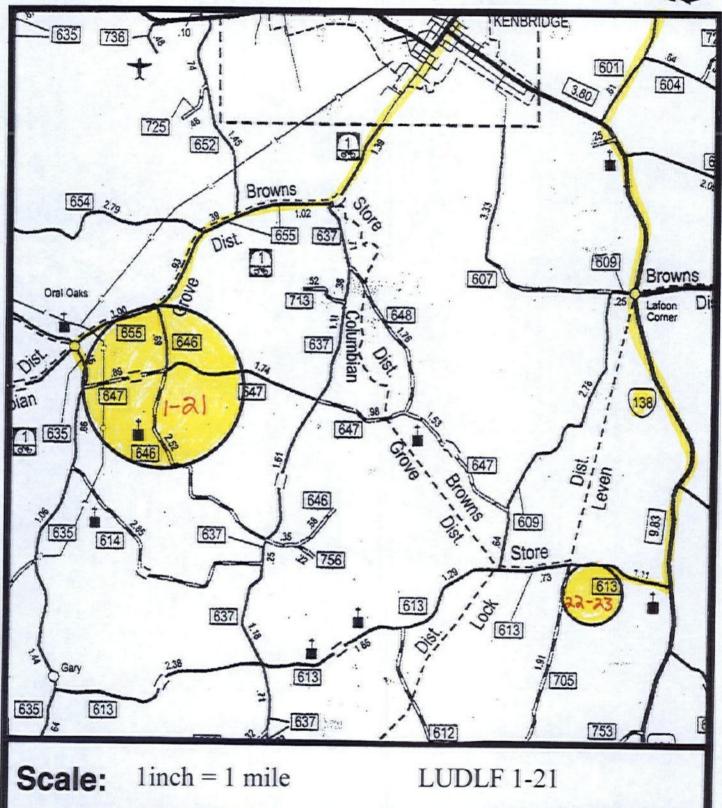
Scale:

1inch = 2 miles

LUDLF 1-21

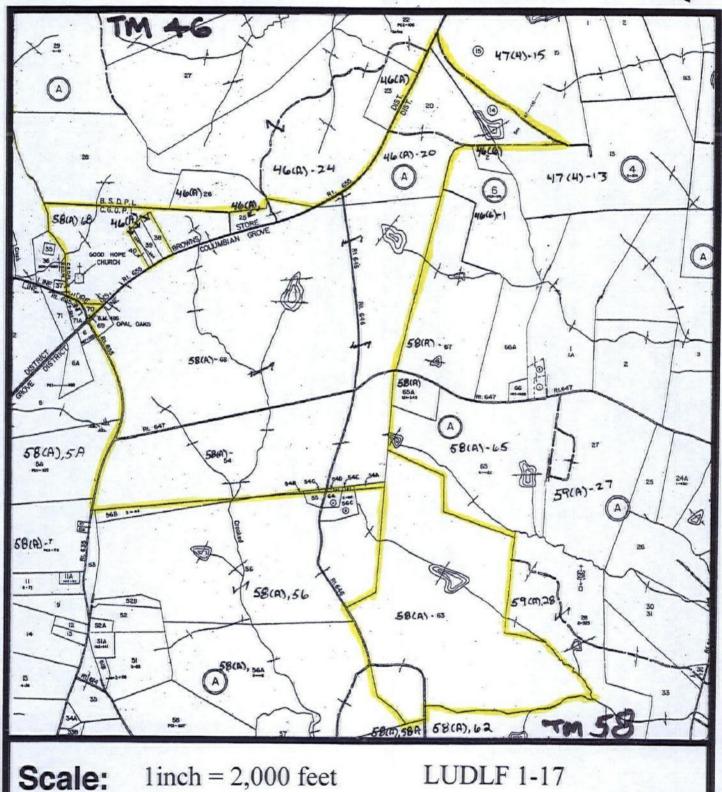
(Biosolids Land Application)





(Biosolids Land Application)



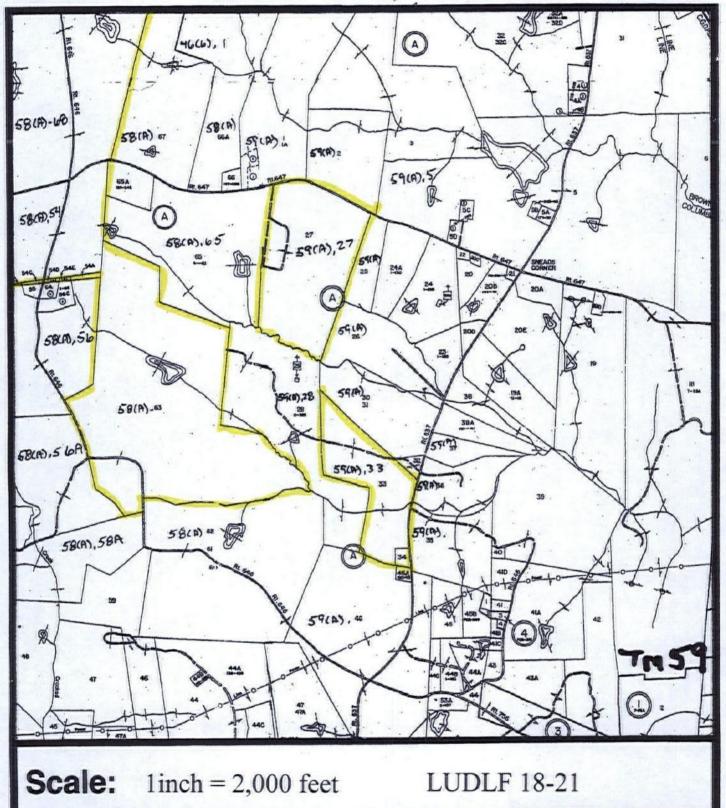


TAX MAP

N

(Biosolids Land Application)

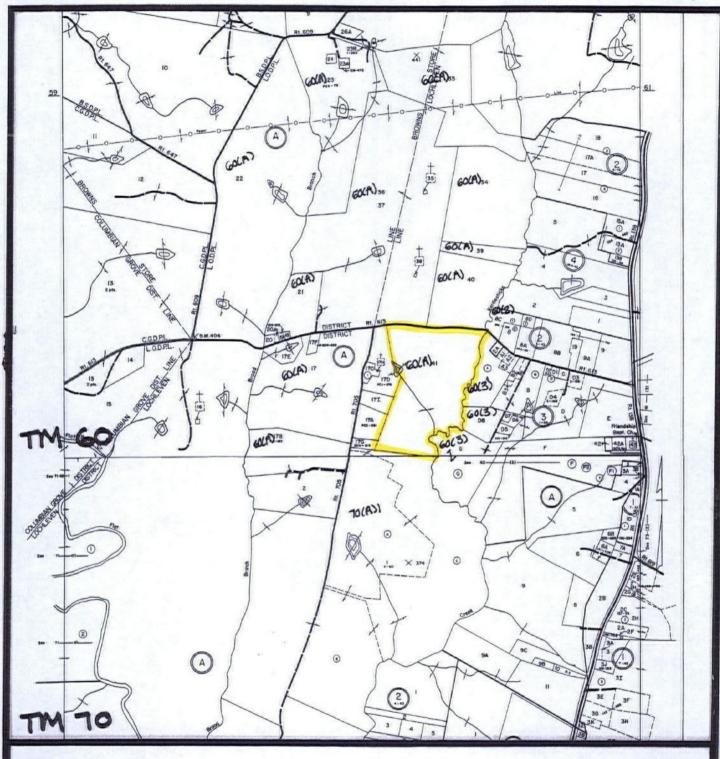




TAX MAP

(Biosolids Land Application)





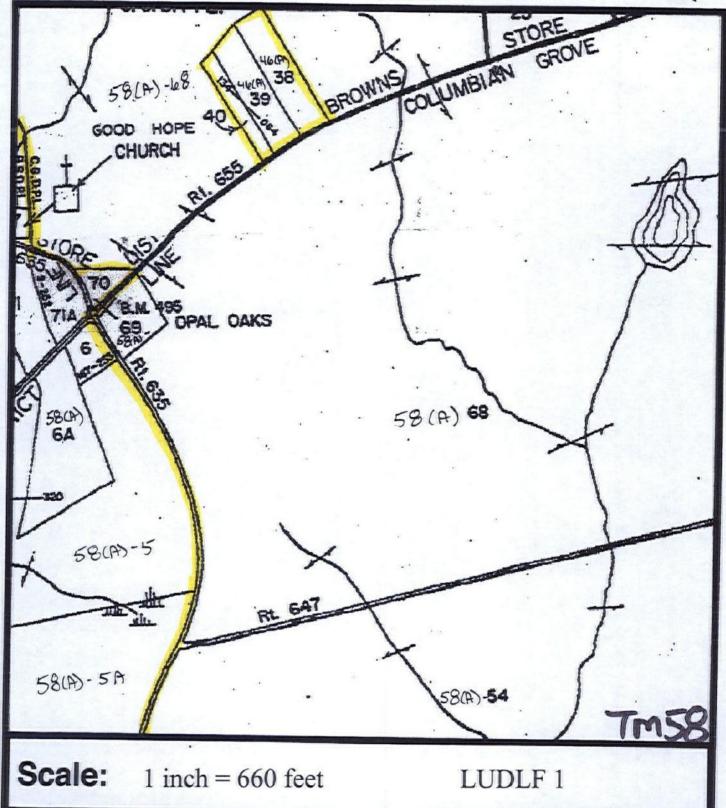
Scale:

1"= 2000 ft.

LUDLF 22-23

(Biosolids Land Application)



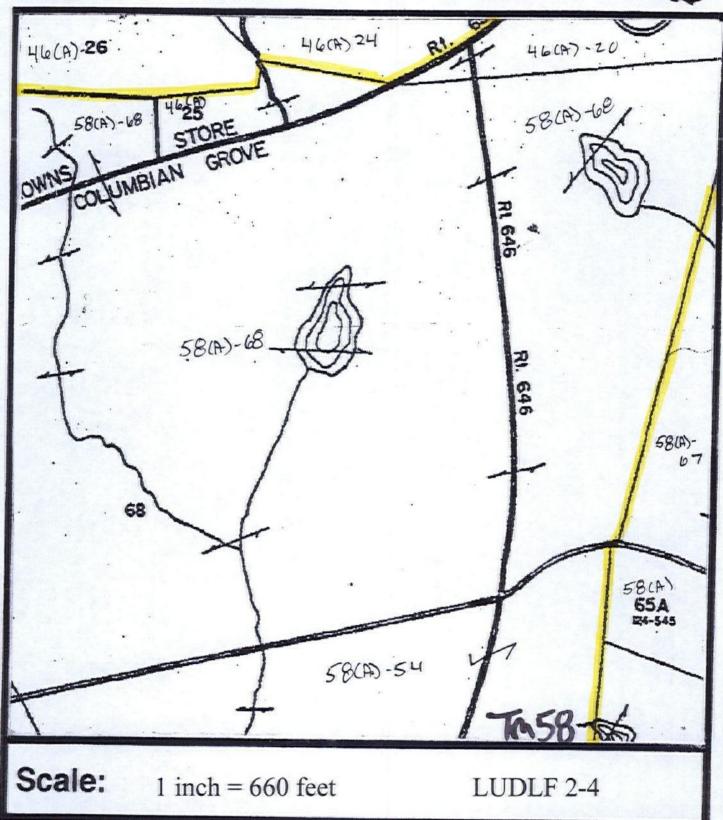


TAX MAP

N

(Biosolids Land Application)



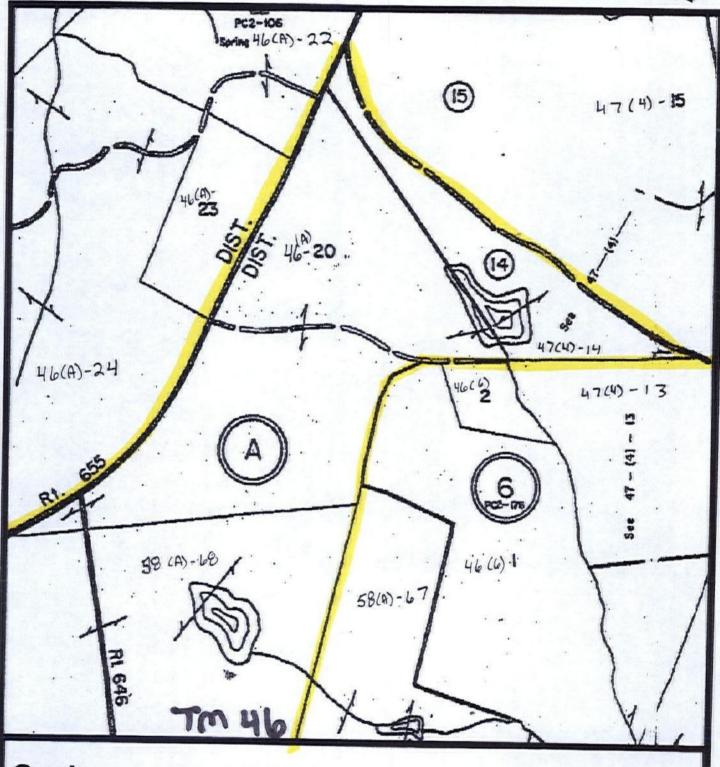


TAX MAP

NA

(Biosolids Land Application)



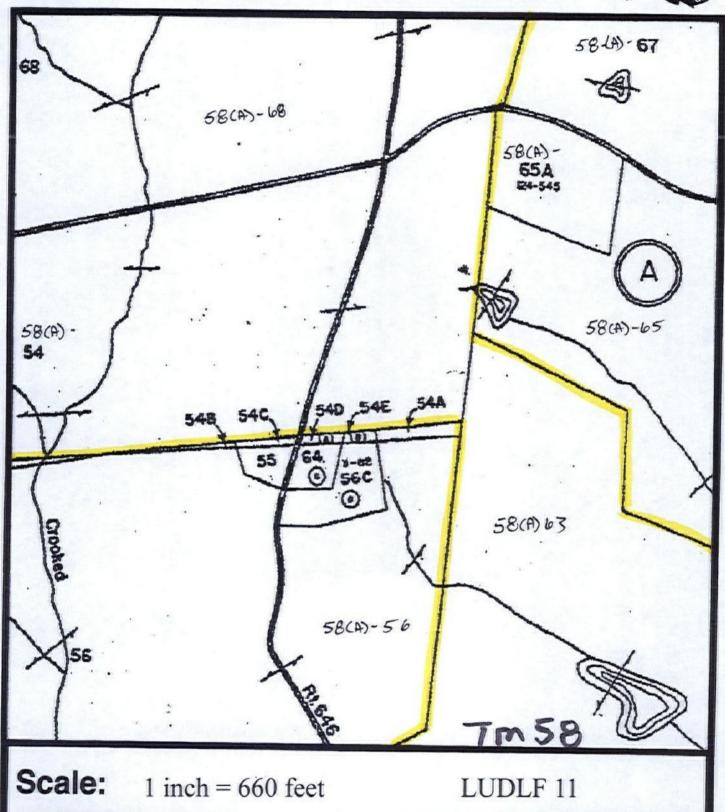


Scale: 1 inch = 660 feet

LUDLF 5-7

(Biosolids Land Application)



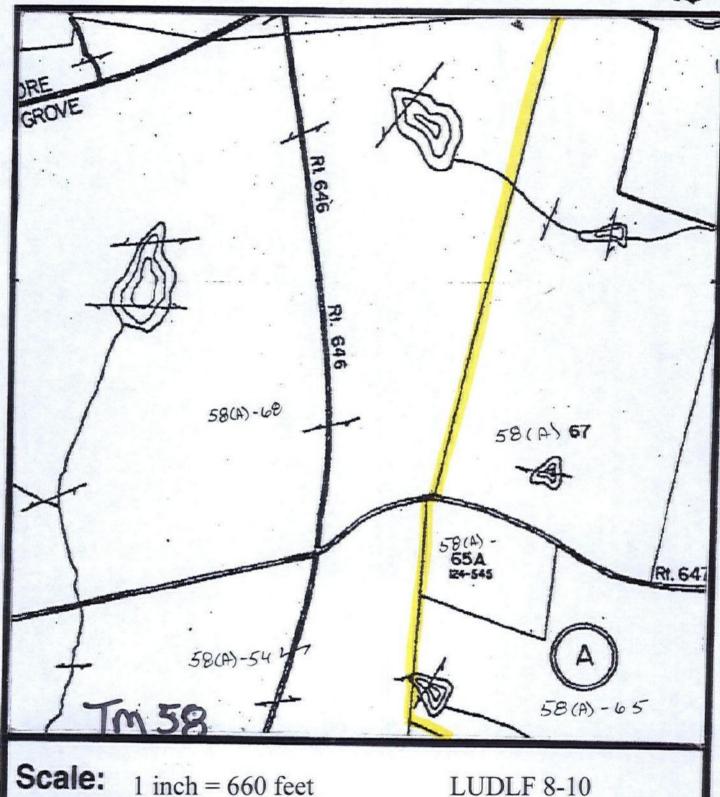


TAX MAP

N

(Biosolids Land Application)



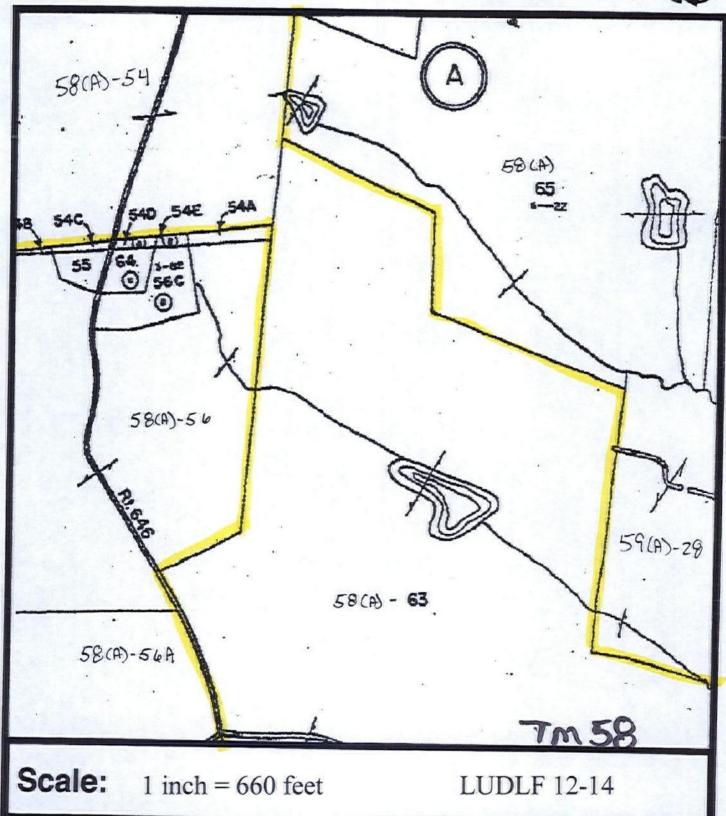


TAX MAP

NA

(Biosolids Land Application)



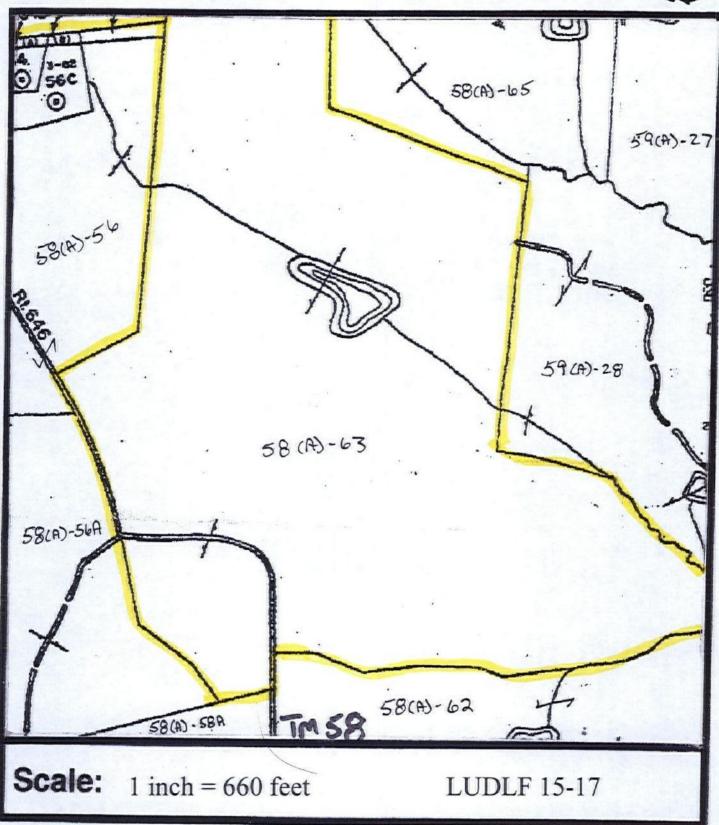


TAX MAP

N

(Biosolids Land Application)



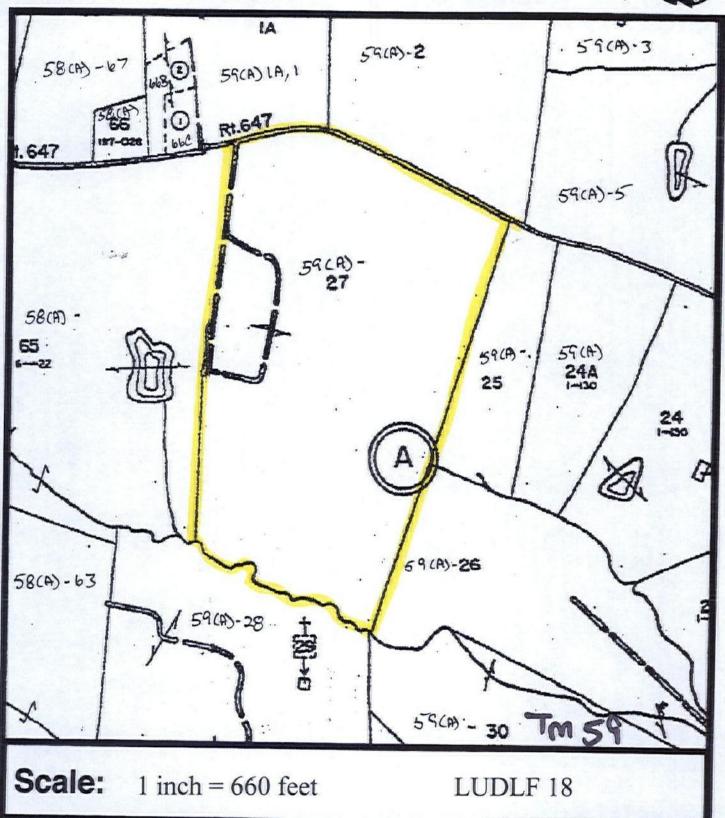


TAX MAP

AM

(Biosolids Land Application)



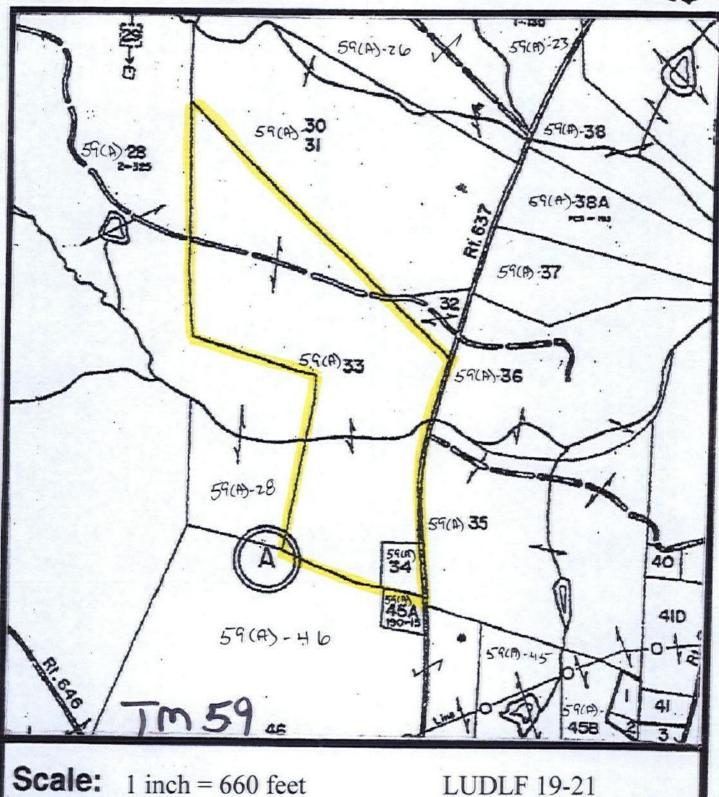


TAX MAP

N

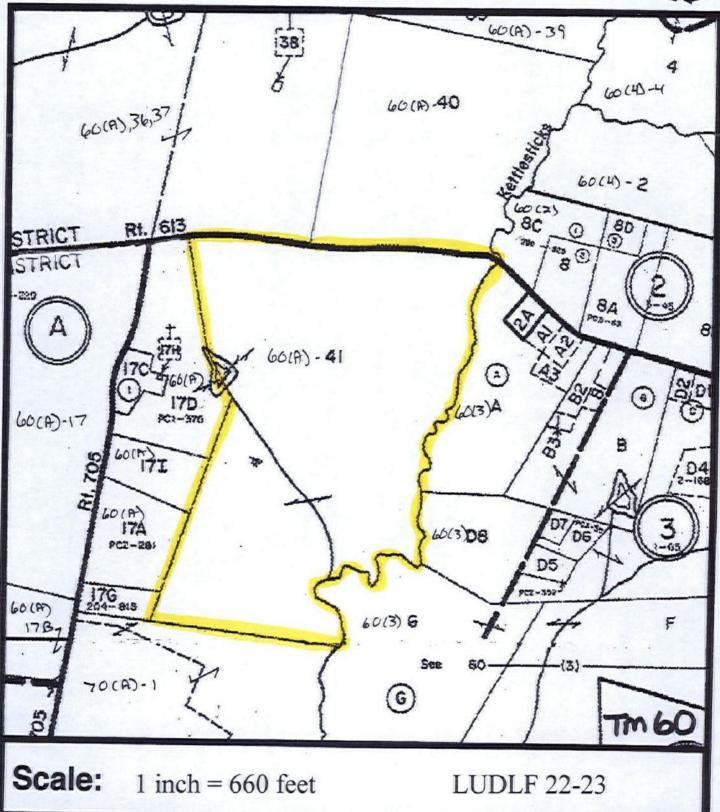
(Biosolids Land Application)





(Biosolids Land Application)





TAX MAP

NA

ADJOINING LANDOWNERS

DIXIE LEE FARMS

LUNENBURG COUNTY

Tax Map	Parcel #	Owner Name(s)
46(A)	1	Illinois Municipal Retirement Fund
	2	Barnes Manufacturing
	22	Mark E. or Robin G. Wrenn
	23	Bernice L. Bishop
	24	Bernice L. Bishop
	26	Charles E. & Ruth W. Wallace
·	28	Lucious Henry or Marion G. Clemons
	33	Illinois Municipal Retirement Fund
	36	Illinois Municipal Retirement Fund
l	37	Good Hope Church
	38	Vicky J. Hall
	39	James M. or Wanda S. Campbell
	40	James M. or Wanda S. Campbell
46(6)	. 1	Mark E. or Robin G. Wrenn
	. 2	Mark E. or Robin G. Wrenn
47(4)	13	Elna B. Wallace & Richard T. Hite
	. 15	Bernice L. Bishop
58(A)	5	David S. Hoerruf or Teresa M. Cummings
	5A	James M. or Wanda S. Campbell
	6	Samuel A. Wallace, Jr.
	7	Merry Donna Tucker
	53	Dorothy Andrews or Evelyn Bodrick
	54A	Stephen or Sue L. Stupasky
	54B	Stephen or Sue L. Stupasky
	54C	Stephen or Sue L. Stupasky
	54D	Helen P. Johnson
	54E	Helen P. Johnson

ADJOINING LANDOWNERS

DIXIE LEE FARMS

LUNENBURG COUNTY

Tax Map	Parcel #	Owner Name(s)
58(A)	56A	Stephen & Sue L. Stupasky
	56L	Stephen & Sue L. Stupasky
	· 58A	Stephen & Sue L. Stupasky
	62	Haskins R. Bell
	65	Teresa L. Dicks
	65A	Buford H. or Mary M. Cabiniss
	67	Johnny K. Long
59(A)	1A	Stephen P. or Wendy A. Lindberg
	2	S.T. Ross
	25	Dorothy S. Martin
	26	Bessie Mae Callahan
	28	John H. or Patricia S. Washburn
	30	Sandy & Rebecca Anne Wills
	31	Sandy & Rebecca Anne Wills
	35	Mason S. Reese
	36	J.E. Gee
	45A	Mark S. or Connie W. Reese
	46	Early Mason & Louise Reese
60(A)		·
	17A	Elbert Johnson
	17D	Robert or Karen A. McQuillan
	17G	Elbert Johnson
	17I	Robert or Karen A. McQuillan
	·	,

ADJOINING LANDOWNERS

DIXIE LEE FARMS

LUNENBURG COUNTY

Tax Map	Parcel ##	Owner Name(s())
60(A)	36	#2.#2 <u>.</u> GhvAn
	3 57	182.pa . Giuw ^a rv
	40	Otis Ræse
60(2)	8C	Jamison CCoolLlyanrHhladedeMariviartin
60(3)	A	Cecil E. Shell
33(3)	D8	Cecil E. Shell
	G	Charryse Sheld I
		~
72(A)	1C	G.B. Raggsddled Ind.nc.
		·
ı		
	,	
1		
]		

(Biosolids Land Application)





Scale: 1 inch = 660 feet

LUDLF 1

(Biosolids Land Application)





Scale: 1inch = 660 feet

LUDLF 2-4

(Biosolids Land Application)



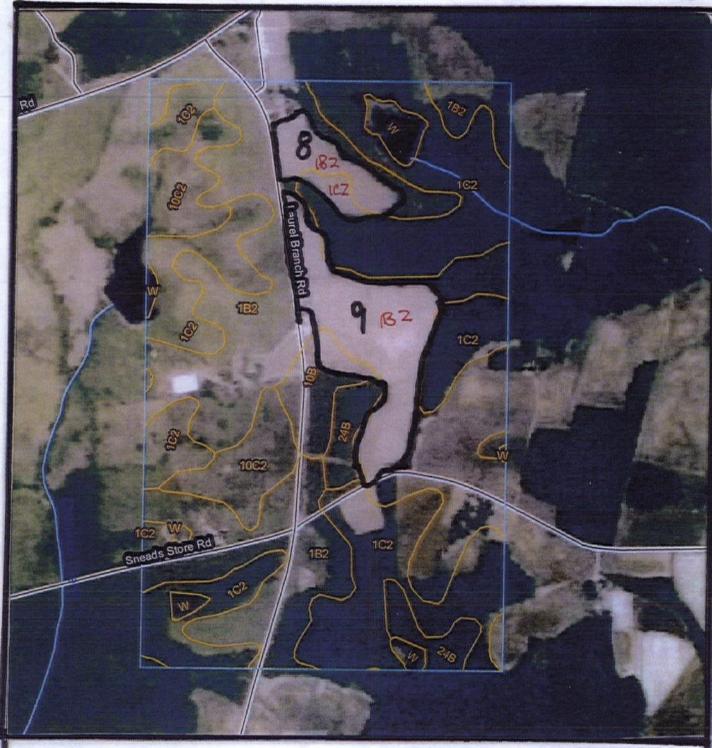


Scale: 1inch = 660 feet

LUDLF 5-7

(Biosolids Land Application)





Scale: 1inch = 660 feet

LUDLF 8-9

Recyc Systems Inc.

(Biosolids Land Application)





Scale: 1inch = 660 feet

LUDLF 10-11

(Biosolids Land Application)





Scale: 1 inch = 660 feet

LUDLF 12-14

(Biosolids Land Application)





Scale: 1 inch = 660 feet

LUDLF 15-17

(Biosolids Land Application)





Scale: 1 inch = 660 feet

LUDLF 18

(Biosolids Land Application)



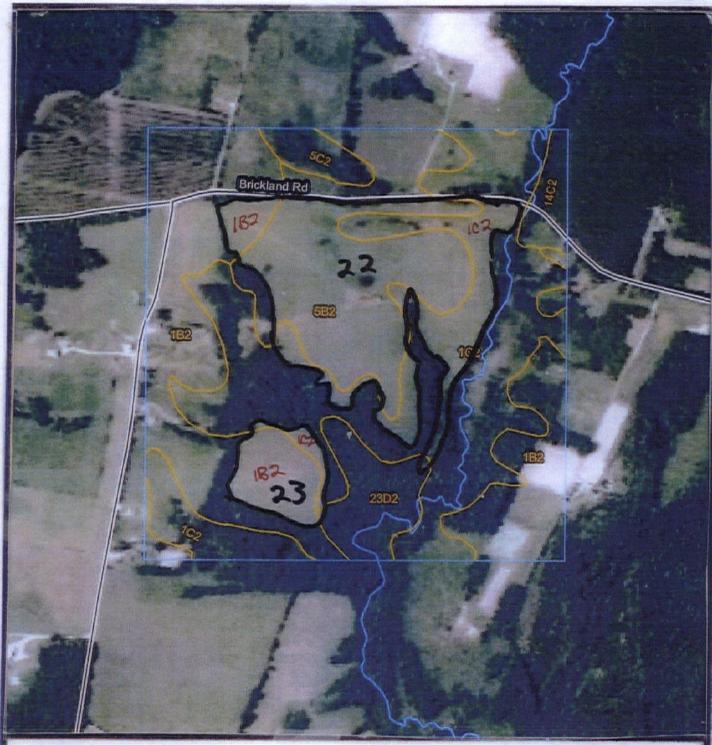


Scale: 1 inch = 660 feet

LUDLF 19-21

(Biosolids Land Application)





Scale: 1 inch = 660 feet

LUDLF 22-23

(Biosolids Land Application)





Scale:

1 inch = 660 feet

LUDLF 1

AERIAL MAP

(Biosolids Land Application)





Scale: 1 inch = 660 feet

LUDLF 2-4

(Biosolids Land Application)





Scale: 1inch = 660 feet

LUDLF 5-7

AERIAL MAP

(Biosolids Land Application)





Scale: 1inch = 660 feet

LUDLF 8-9

(Biosolids Land Application)





Scale: 1inch = 660 feet

LUDLF 10-11

(Biosolids Land Application)





Scale: 1 inch = 660 feet

LUDLF 12-14

(Biosolids Land Application)





Scale: 1 inch = 660 feet

LUDLF 15-17

AERIAL MAP

(Biosolids Land Application)





Scale:

1 inch = 660 feet

LUDLF 18

(Biosolids Land Application)





Scale: 1 inch = 660 feet

LUDLF 19-21

AERIAL MAP

Recyc Systems inc.

(Biosolids Land Application)

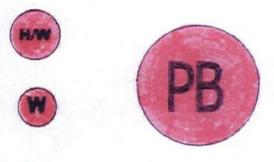




Scale: 1 inch = 660 feet

LUDLF 22-23

Legend for Site Plan



House and Well

Well / Spring

Perennial Streams & Surface

Wet Spot

Intermittent Stream / Drainage

Trees and Woods

Private Drive

Rock / Rocky Area

Sinkhole

Severely Eroded Spot

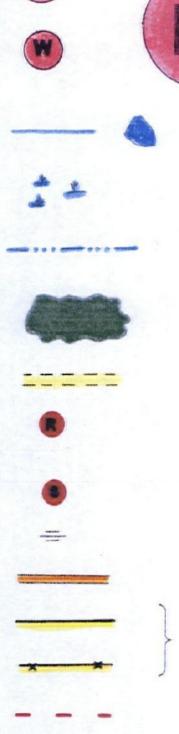
State Road

Field Boundary / Fence

Property Line

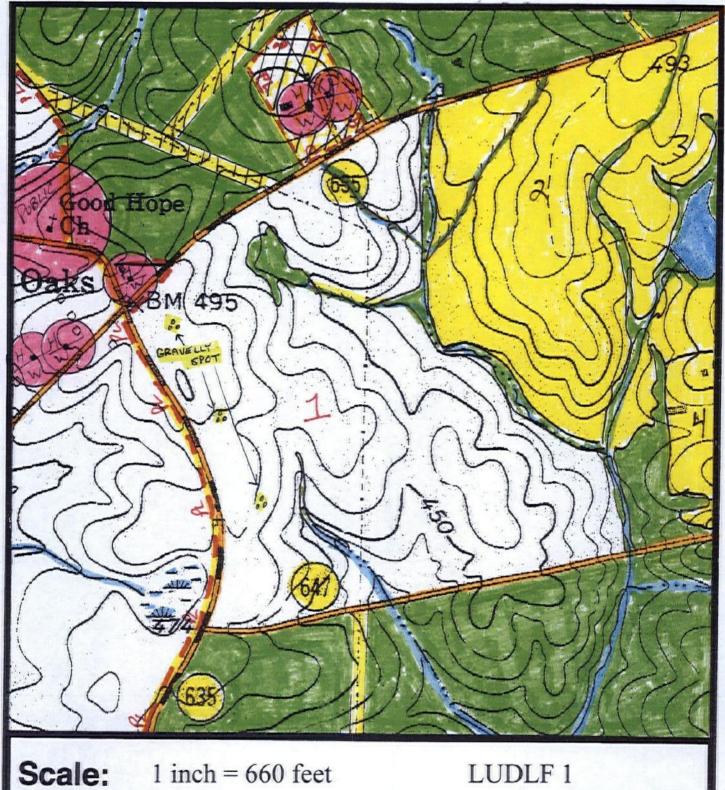
Slope

Frequent Flooding



(Biosolids Land Application)

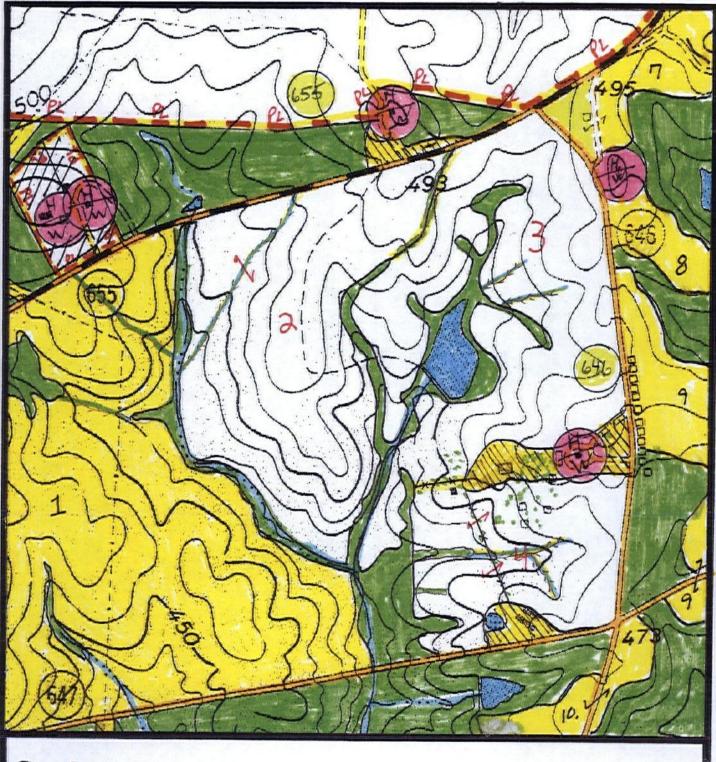




i men ooo ieet

(Biosolids Land Application)





Scale: 1 inch = 660 feet

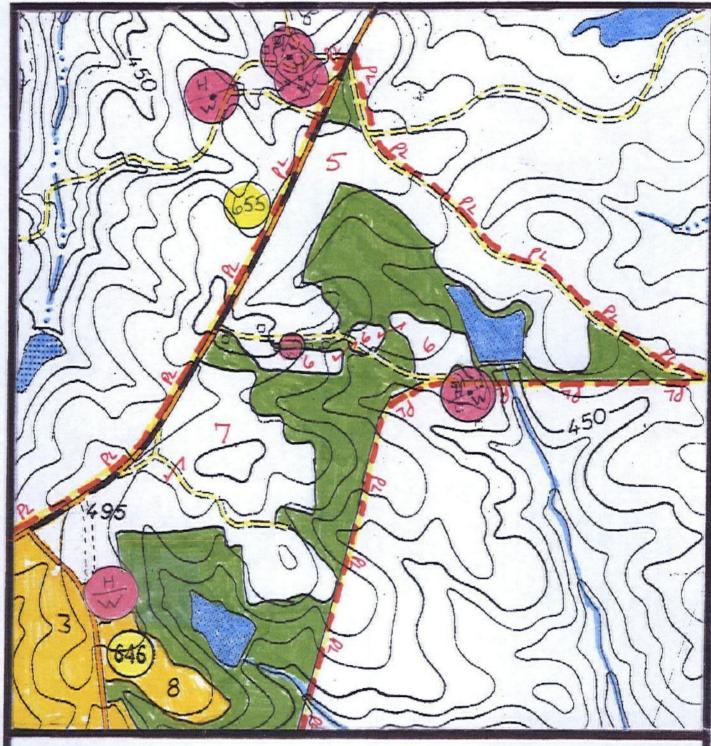
LUDLF 2-4

SITE PLAN

N

(Biosolids Land Application)



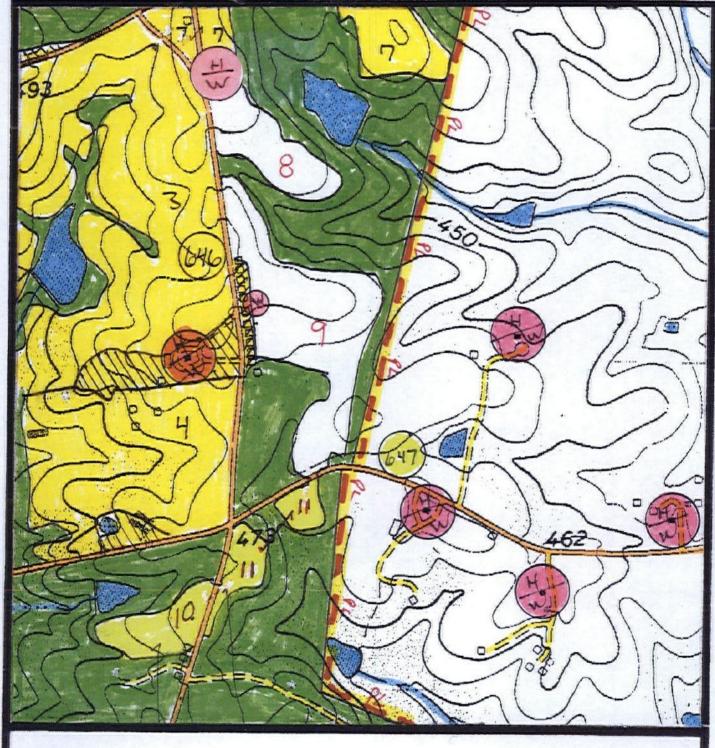


Scale: 1 inch = 660 feet

LUDLF 5-7

(Biosolids Land Application)





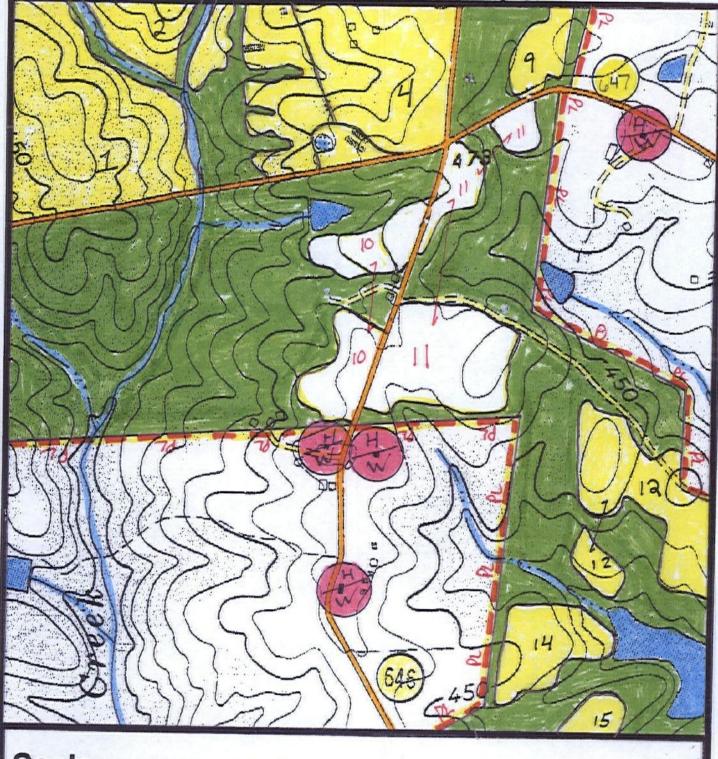
Scale:

1 inch = 660 feet

LUDLF 8-9

(Biosolids Land Application)





Scale:

1 inch = 660 feet

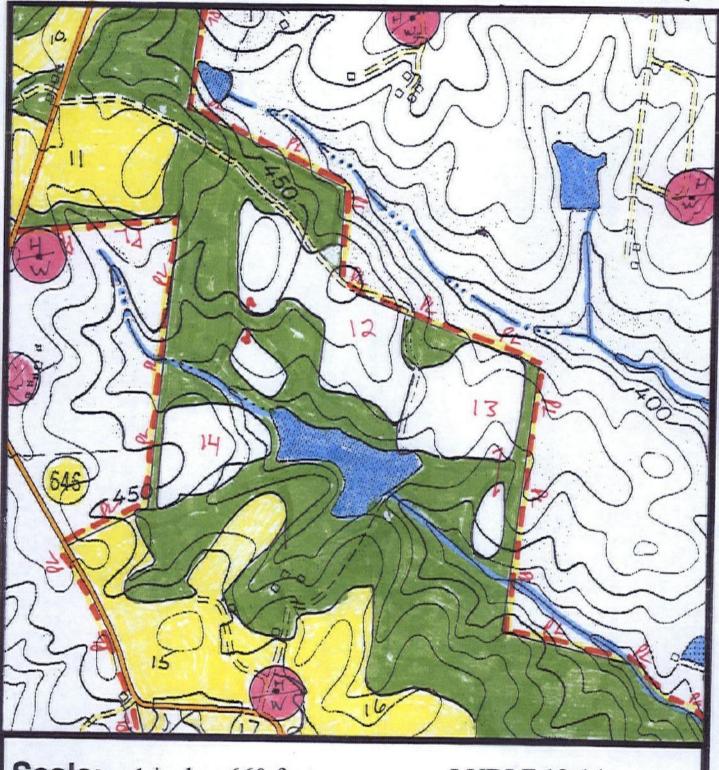
LUDLF 10-11

SITE PLAN

N

(Biosolids Land Application)





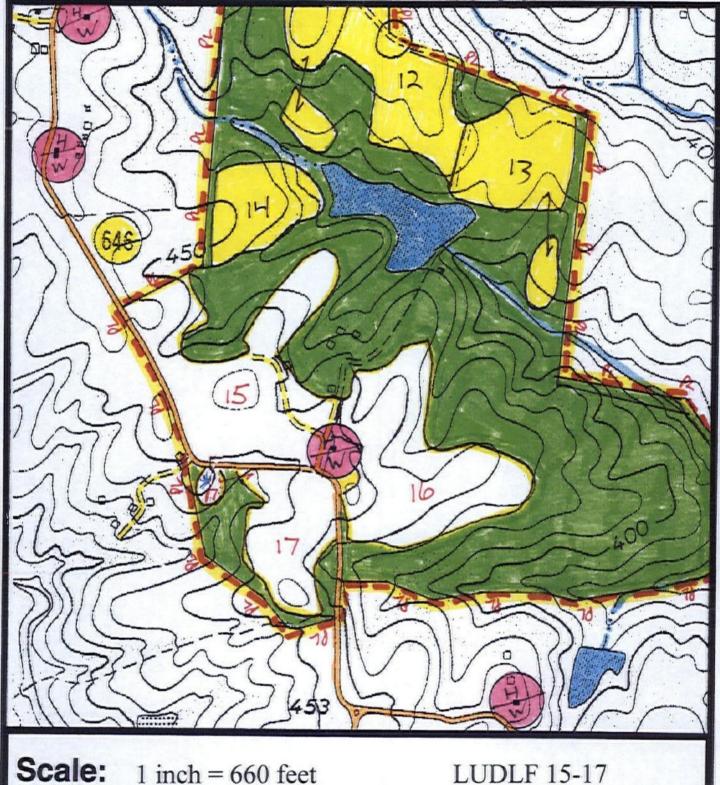
Scale:

1 inch = 660 feet

LUDLF 12-14

(Biosolids Land Application)



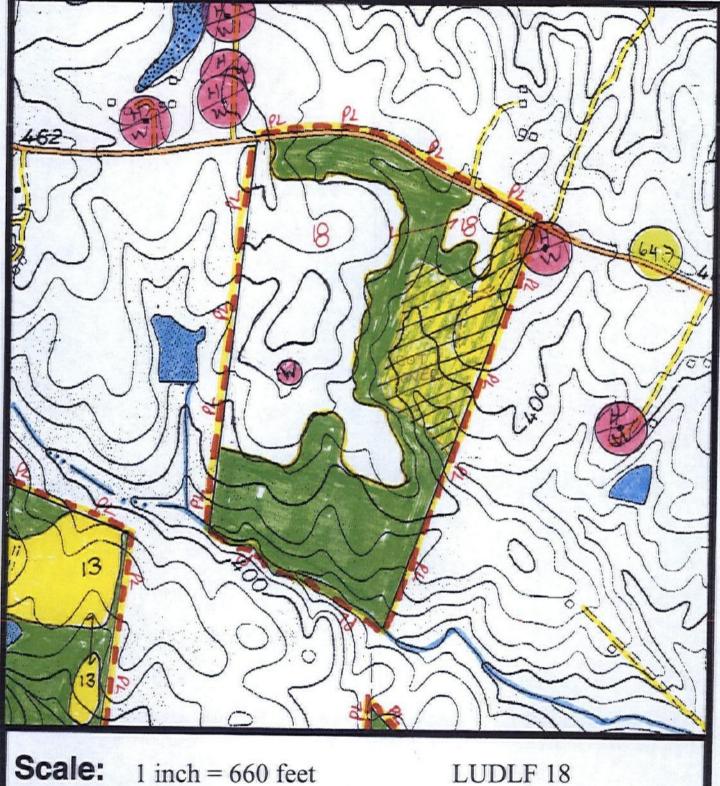


SITE PLAN

N

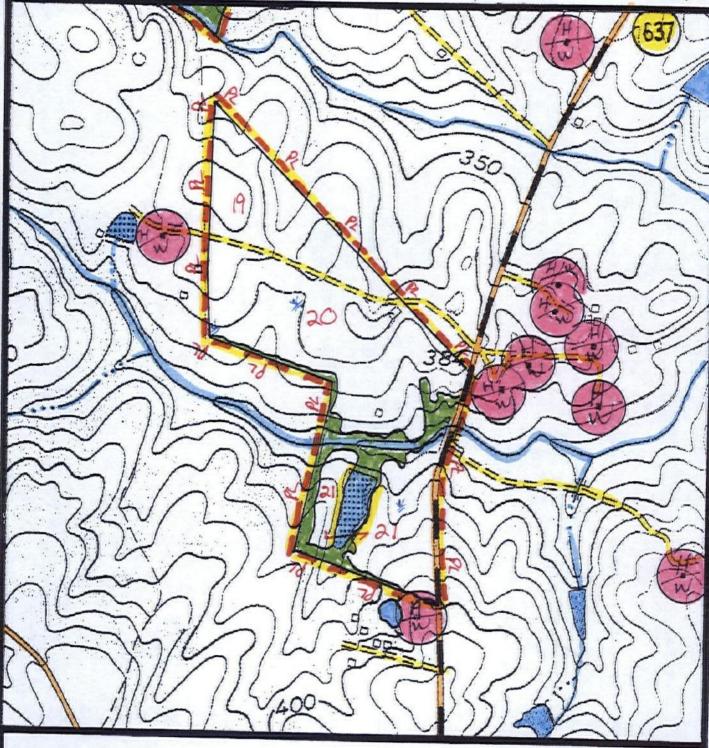
(Biosolids Land Application)





(Biosolids Land Application)



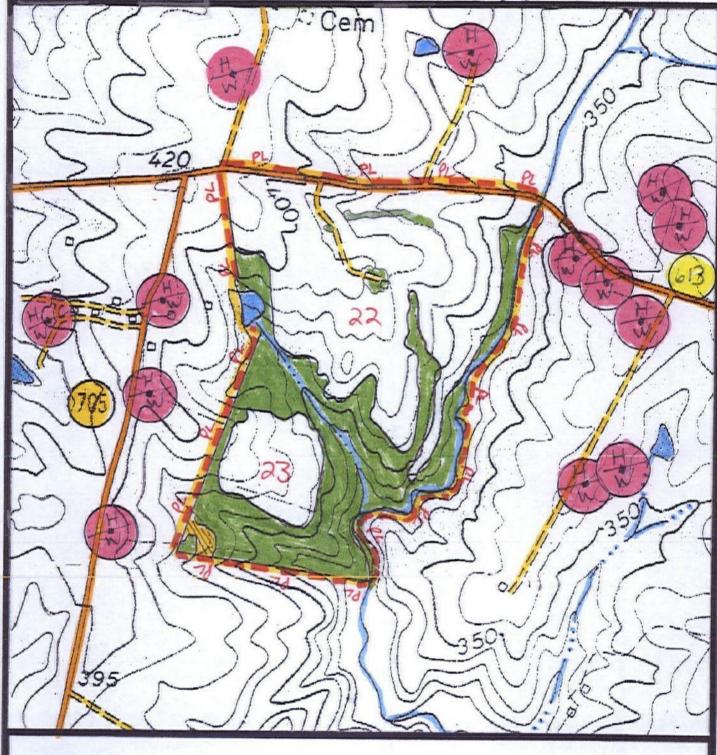


Scale: 1 inch = 660 feet

LUDLF 19-21

(Biosolids Land Application)





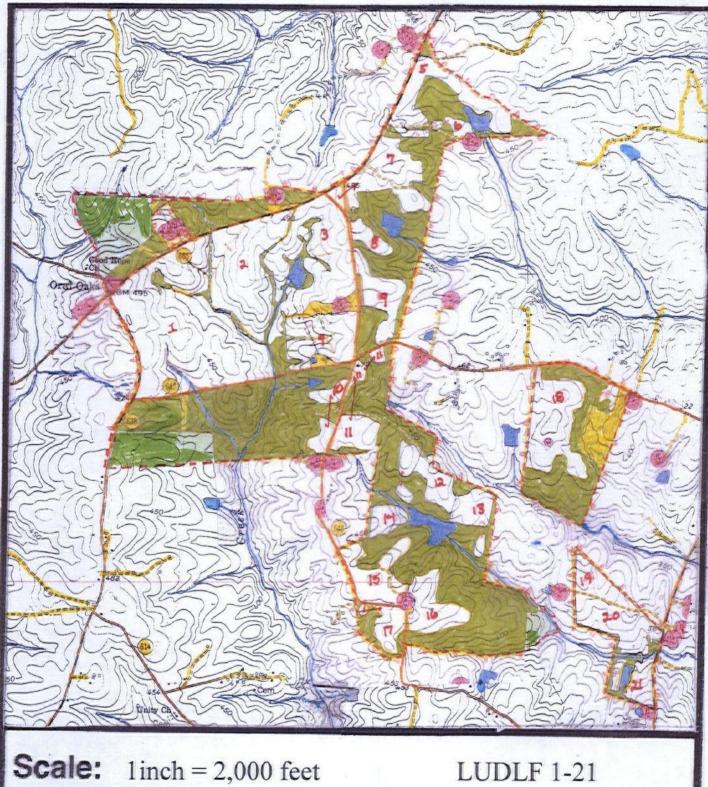
Scale:

1 inch = 660 feet

LUDLF 22-23

(Biosolids Land Application)



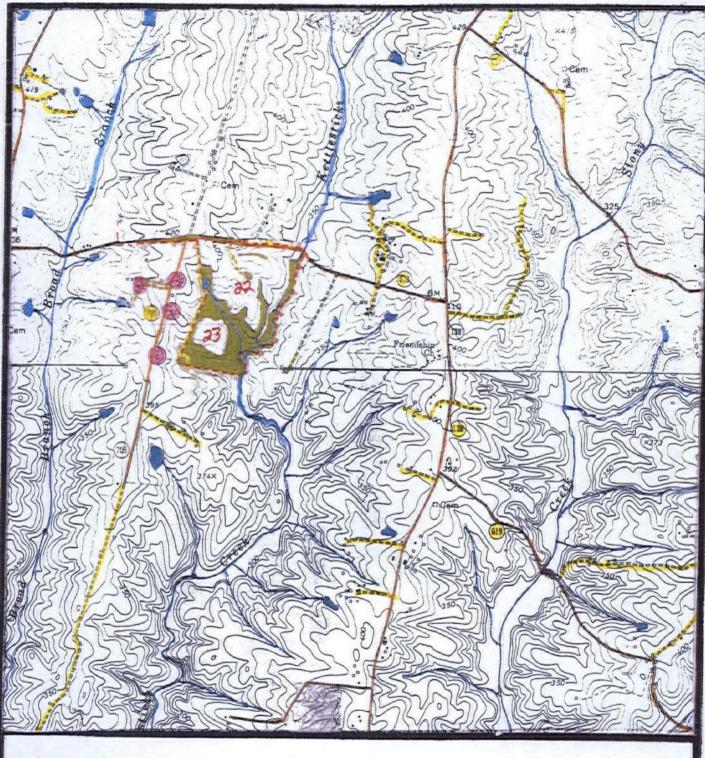


TOPOGRAPHIC MAP

NA

(Biosolids Land Application)





Scale: 1inch = 2,000 feet

LUDLF 22-23